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Department of Agriculture



ANNUAL CHRYSANTHEMUM, Golden Crown. See page 7
Easily grown from seed. Pkt. 50 cts.

SEED ANNUAL 1938

FORTIETH EDITION

Stumpp & Walter Co

NEW YORK CITY

Colorful Summer Plants

Six New Day Lilies (Hemerocallis)
as featured in color

④ We have entered against each of these new hybrids the dates on which their first flower opened in our Perennial Gardens last year. The blooming period continued from four to six weeks thereafter.

⑤ 1. **George Yeld.** The large golden yellow Lilies have a suffusion of brown running through them. First bloom on July 1. Height, 3½ feet. 60 cts. each, \$6.50 per doz.

2. **D. D. Wyman.** A large golden yellow sort, with brown bars on the flowers. First bloom on June 17. Attains a height of 3 feet. 75 cts. each, \$8 per doz.

3. **Fulva maculata.** Brownish red blossoms, with an orange midrib and center. First bloom June 24. A tall sort—4 feet high. 60 cts. each, \$6.50 per doz.

4. **Dover.** Large golden yellow flowers. First bloom on May 25. Plants 2½ feet high. 60 cts. each, \$6.50 per doz.

⑥ 5. **Gypsy.** The flowers are a striking hue of very deep orange. First bloom on June 17. Grows 4 feet tall. 75 cts. each, \$8 per doz.

6. **J. A. Crawford.** A fine apricot-yellow variety. First bloom on June 17. Height, 4 feet. 60 cts. each, \$6.50 per doz.

COLLECTION

One plant each of above 6 varieties, \$3.50. Three plants each of above 6 varieties, \$9.

Day Lilies have a special value. Besides the fine appearance of their foliage and the striking brilliance of their flowers, they are excellent to plant on a slope; their roots cover the ground and hold the soil well against erosion.



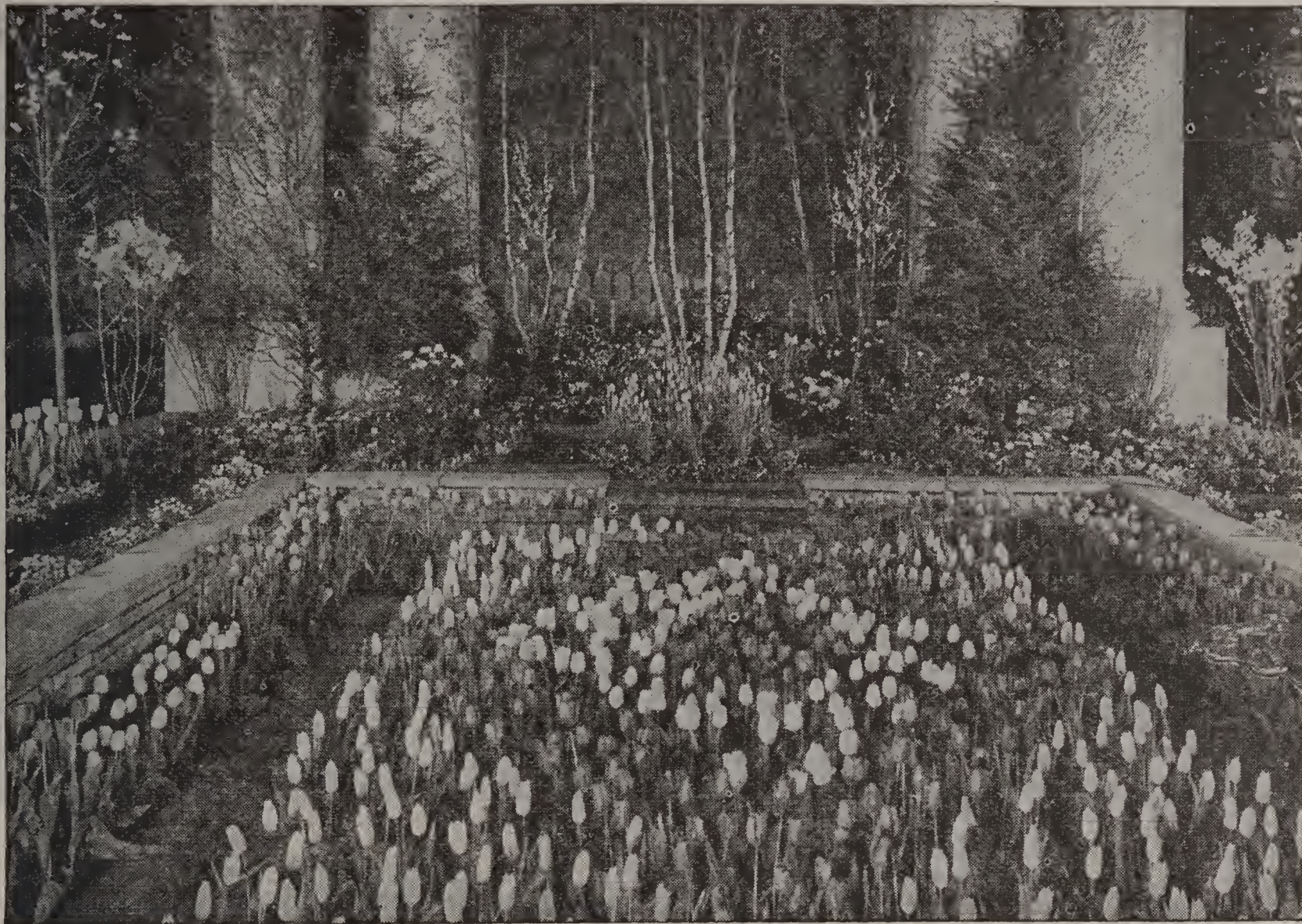
GAILLARDIA, MR. SHERBROOK

Here the flowers are rich golden yellow, and they have pale yellow centers. \$1.50 for 3, \$5.50 per doz.



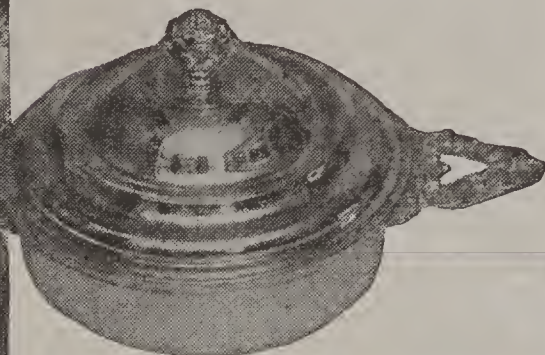
VINCA ALPINA

This is a vigorous type of Alpine Periwinkle; it produces a trailing, dense, green carpet, which does not become straggly, and is covered with masses of purple-blue flowers from early spring until late fall. Plants, \$1 for 3, \$3.75 per doz., \$27.50 per 100.



A spring garden, the Stumpp & Walter Co.'s entry at the 1937 International New York Flower Show. It was awarded First Prize and the Grand Trophy

THIS is what the *New York Sun* said: "Among the best of the large gardens at this year's Flower Show was this lovely terraced tulip garden by Stumpp & Walter Co. It won the *first prize* in its class, and the *trophy* of the New York Florists' Club. It is especially interesting for its combination of a formal bed against an informal background."



Trophy
Won by Stumpp & Walter
Co. at the 1937 International New York Flower
Show

OUR FORTIETH ANNUAL CATALOGUE

FOR YOUR CONVENIENCE—You will find order blanks at page 117; note that we include a special blank for plants, because these are dispatched at the proper planting season, while we aim to ship seeds and bulbs the same day your order reaches us, unless you wish otherwise. Time will be saved if orders and correspondence are sent to our New York headquarters.

A Check, Bank Draft, Post-Office or Express Money Order may accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., if you wish, but this does not apply to perishable goods, like shrubs or plants, which we cannot send C. O. D. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net, with no discounts, and always *subject to change without notice*.

We make no charge for packing domestic shipments, except where special bags are necessary. We charge these at cost, but allow full credit when they are returned to us, prepaid, with the sender's name and address marked on the bundle.

EXPORT. We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and special packing for export shipments.

NON-WARRANTY. In accordance with the established custom of the Seed Trade, we, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

Experienced gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to the seed, but to some circumstances of cultivation, soil or climate over which the seedsman has no control.

Any claim as to shortage, etc., should be made promptly, and it will be adjusted to your satisfaction. Claims should be made within 10 days of receipt of goods; we cannot consider complaints made after this date.

DELIVERY. We deliver Free to any point in the United States and its possessions, at prices listed in this Catalogue, all Grass Seeds, Flower Seeds, Vegetable Seeds, Bulbs and Books.

We deliver Free within 50 miles of New York City all merchandise described in this Catalogue, at prices listed herein, except where noted.

Free deliveries are made, at our option, by Parcel Post, Express or Freight, to your address or your nearest post office, express office or freight station.

We do not deliver beyond 50 miles of New York City the following: Lawn-spread, Potatoes, Farm Seeds, Field Corn, Clovers, Cereals, Stolons, Plants, Roots, Roses, Nursery Stock, Fertilizers, Garden Supplies, Implements, Insecticides and Fungicides. Purchaser pays transportation charges to the freight agent or express agent on arrival of the merchandise.

EMPLOYMENT REGISTER. We have qualified men on our books seeking positions as Superintendents, Gardeners, Greenkeepers, or Groundsmen. Many are known personally to us, and we will be glad to put them in touch with employers seeking experienced help of this kind.

Stumpp & Walter Co.

132-138 Church Street (Cor. of Warren Street)
NEW YORK CITY

NEW YORK PHONES: BARclay, 7-1110, 7-1111, 7-1112, 7-1113, 7-1114, 7-1115, 7-1116, 7-1117

WHITE PLAINS, N. Y.
148-150 Mamaroneck Avenue, at Post Road
Phones: White Plains 9260 and 9261

HEMPSTEAD, LONG ISLAND
236-238 Fulton Avenue, at Franklin Street
Phone: Hempstead 792

NEWARK, N. J.
29-31 Central Avenue, at Halsey Street
Phones: Market 3-5595 and 3-5596

ENGLEWOOD, N. J.
3-5-7 Grand Avenue, at Palisade Avenue
Phone: Englewood 3-5596

STAMFORD, CONN.
674-676 Main Street, at Grove Street
Phone: Stamford 4-0125

Testing Gardens and Nursery: Farmingdale,
Long Island
Bulb Farm: Islip, Long Island

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU



A large Staigreen Lawn

Staigreen **LAWN SEED** **BEST ON EARTH**

HIGH PURITY • HIGH GERMINATION • TIME-TESTED FORMULA
Maximum Freedom from Weeds—Contains No Crabgrass

The lawn plays an important part in acting as the foundation and background of your garden. Mr. J. W. Johnston, Horticultural Editor, in a recent article in the New York *Herald Tribune*, states, "If one single piece of advice were asked as to how to win a garden competition prize, the answer would be, 'First get a good lawn.'"

Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like, and emerald-green from early spring through summer to early winter.

Staigreen weighs 30 pounds to the measured bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of Rye Grass, Clover or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South.

Staigreen was introduced by us in 1912; through the years we have never lowered the quality of the mixture. We have had to lower or increase the price from time to time, and for several years we were obliged to offer it at a higher price than we do today. It is moderate in price, but is not "cheap." After all, the cost of good seeds in the making or maintenance of a lawn is but a small fraction of the total.



A Staigreen Lawn in Summit, N. J.

Pamphlet
"How to Build a Permanent Lawn"
free in every package

Sow during spring, autumn or winter.
Avoid hot weather.

Prices of Staigreen

Lb. (Sifter-Top Container)	\$0.65
2½ lbs.	1.55
5 lbs.	3.00
12½ lbs.	6.50
25 lbs.	12.50
100 lbs.	47.50

*Price includes delivery to
your home*

One pound of Staigreen measures
approximately 1¼ quarts

Quantity to Use When Making a New Lawn

400 square feet.	1	to	2 lbs.
1000 square feet.	2½	to	5 lbs.
Acre.	100	to	200 lbs.

Use the larger amount for spring
seeding and for quick results

Quantity to Use When Renovating an Old Lawn

400 square feet.	½	to	1 lb.
1000 square feet.	1¼	to	2½ lbs.
Acre.	50	to	100 lbs.

Use the larger amount for spring seed-
ing and when quick results are desired

We Deliver Grass Seeds Free to Any Point in the United States

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in sunny situations. So the formula may be used for dense shade as well as for those portions of the lawn which reach out into full light. Use as a minimum allowance, 1 pound to 300 square feet, or 150 pounds per acre. Usually it is easy to obtain turf under trees when our Shady Place Formula is used, but in very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every autumn at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet; rake smooth and sow Shady Place Lawn Seed, and rake again to cover the seed. Sow some further seeds to renovate the lawn at the end of summer. **Lb. 75 cts., 2½ lbs. \$1.75, 5 lbs. \$3.40, 10 lbs. \$6.50, 20 lbs. \$12, 100 lbs. \$55.** Charges prepaid.



Bent Turf from Seed

The most beautiful of lawns is the one o'ershadowed by trees

All-Bent Formula. A mixture of the wonderful Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Red-Top. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties causes them to almost "felt" together and produce the soft, luxurious feel of an expensive rug. The turf is a deep, rich green color.

For best results the soil must be inherently good and should have rotted manure or Sawconure and Emerald Grass Fertilizer worked into it. Every spring and autumn, and several times during the growing season, Emerald Grass Fertilizer at the rate of 25 pounds per 1000 square feet should be applied to the turf.

Sow the seed at the rate of 3 pounds per 1000 square feet or 150 pounds per acre. **Lb. \$1.10, 2½ lbs. \$2.65, 5 lbs. \$5, 12½ lbs. \$12, 25 lbs. \$22.50, 100 lbs. \$85.** Charges prepaid.

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With proper care it will make a putting-green out of your lawn. **Lb. \$1.45, 2½ lbs. \$3.50, 5 lbs. \$6.85, 12½ lbs. \$16.50, 25 lbs. \$32.50.** Charges prepaid.

Bent Turf from Stolons

We supply Creeping Bent Stolons, Aug. 15 to Nov. 1; not available in spring.



An All-Bent Lawn from S. & W. Co.'s Seed. Prize-winning photo submitted by C. B. Hayward, Nutley, N. J.

Turf for the South

Southern Lawn Formula. We offer a special formula for latitudes south of central Virginia. We advise that two seedings be made, one in spring and one in fall, allowing at each, 1 lb. to every 20 by 20 feet, or 100 lbs. to the acre. **Lb. 55 cts., 2½ lbs. \$1.30, 5 lbs. \$2.50, 12½ lbs. \$5.75, 25 lbs. \$11, 100 lbs. \$40.** Charges prepaid.

Turf on Slopes

Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. If the slope is very steep, mix 1 pound of Terrace Sod Formula with two pailfuls of earth. Make notches with a hoe about 9 inches apart, and fill the notches with the mixture. **Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 10 lbs. \$6, 20 lbs. \$11.50, 100 lbs. \$52.50.** Charges prepaid.

Turf for Large Areas

High-Grade Lawn Seed. For lawns where low cost is important. Composed of fine re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another throughout summer. One quart will sow 15 by 20 feet; 5 bushels, an acre. **Qt. 45 cts., 4 qts. \$1.45, 8 qts. \$2.75, ½ bus. \$4.50, bus. (22 lbs.) \$8.50, 5 bus. (110 lbs.) \$40.** Charges prepaid.

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds, an acre. **Lb. 45 cts., 5 lbs. \$2, 10 lbs. \$3.85, 20 lbs. \$7.25, 100 lbs. \$32.50.** Charges prepaid.

Turf by the Sea

Seashore Lawn Formula. Ingredients are deep-rooting, wind- and spray-resistant. Soil by the sea is often poor, and a good preparation is to apply Sawconure at 100 pounds to each 1000 square feet; rake after applying, and sow seed. Two pounds should be used on 20 by 20 feet, or 200 pounds to the acre. **Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$45.**

One pound of these mixtures measures approximately 1½ quarts. One quart weighs about ¾ pound.

For renovating, use one-half the quantities of seed recommended above. For quick results, use double these amounts.

Lawnspread is a Convenient Top-Dressing for Lawns—Use It Often



Emerald Grass Fertilizer is a well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition. See page 112.

New Jersey Lawn Formulas

The New Jersey Experiment Station has published a series of Lawn Mixture Formulas which they advise as being suited to the climate and soil conditions of that state. We offer these, accurately made up of new-crop seed. We use ingredients *higher* in purity and germination than required by the Experiment Station's specifications.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$42.50.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$42.50.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

Formula No. 3. For shaded areas. Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 12½ lbs. \$7.75, 25 lbs. \$15, 100 lbs. \$55.

Formula No. 4. For poor, clayey, shaley, or sandy soils. Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 12½ lbs. \$7, 25 lbs. \$13.50, 100 lbs. \$50.

How to Make the Lawn

Dig the soil about 6 inches deep and take care that no subsoil is brought to the surface. If the area is poor, draw in additional top-soil.

Scatter Sawconure on the dug earth at the rate of 100 pounds per 1000 square feet, or S. & W. Co.'s Emerald Grass Fertilizer, using 50 pounds per 1000 square feet, or one ton per acre. Rake to a smooth surface and sow Staigreen, Shady Place, or other of our lawn seed mixtures, at from 1 pound (nearly 2 qts.) to 2 pounds to each 400 square feet, or 100 pounds (4 to 5 bushels) to 200 pounds per acre. Rake the area very lightly and roll.

The best season to make a new lawn is very early in the spring, or in the autumn. Winter seeding, even on snow, is also practical. Lawns made in summer or late spring are usually infested with weeds the first year.

Use LAWNSPREAD.* Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-Foods, Grass Seeds and Lead Arsenate

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in **Lawnspread**, and it is almost odorless. **Lawnspread** may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, **Lawnspread** may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crab-grass, grub-infested areas, or on brown-patch-infested lawns.

Care of an Existing Lawn

Mowing. As soon as new grass is 2 inches high, begin mowing it. Afterward cut twice a week, setting your mower so that it cuts the grass moderately long, especially during July and August. You need not remove clippings; if they are unsightly it shows that you do not cut often enough.

Rolling. It improves a lawn to roll it once a month, but only roll when the land is dry; otherwise you may squeeze it into too compact a mass for the grass to grow.

Weeding. Our seeds are as free from weeds as care can make them; all soils, however, contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab-grass it is sufficient to cut the plant off at the ground-level. Mix four teacups of **STAIGREEN** with a pailful of soil and fill all weed-holes.

Routine Feeding. Use **Lawnspread**, described above, or spread Emerald Grass Fertilizer every spring, at the rate of 25 pounds per 1000 square feet, and Sawconure, at 50 pounds per 1000 square feet, late every autumn. Lime every second winter, at the rate of 25 pounds per 1000 square feet, will be helpful in most sections.

Chinch Bug may be controlled by several sprayings of Rotene.

Earthworms may be eradicated with Vermol.

Japanese Beetle and **White Grub** may be killed by using **Lawnspread** or **Senoled**

Brown Patch may be checked by spraying with Semesan.

Lawnspread is described above; see page 110 for prices of other materials.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas

1 to 10 bags, \$2.00 per bag

11 to 25 bags, 1.85 per bag

Over 25 bags, 1.70 per bag

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens

1 to 10 bags, \$2.75 per bag

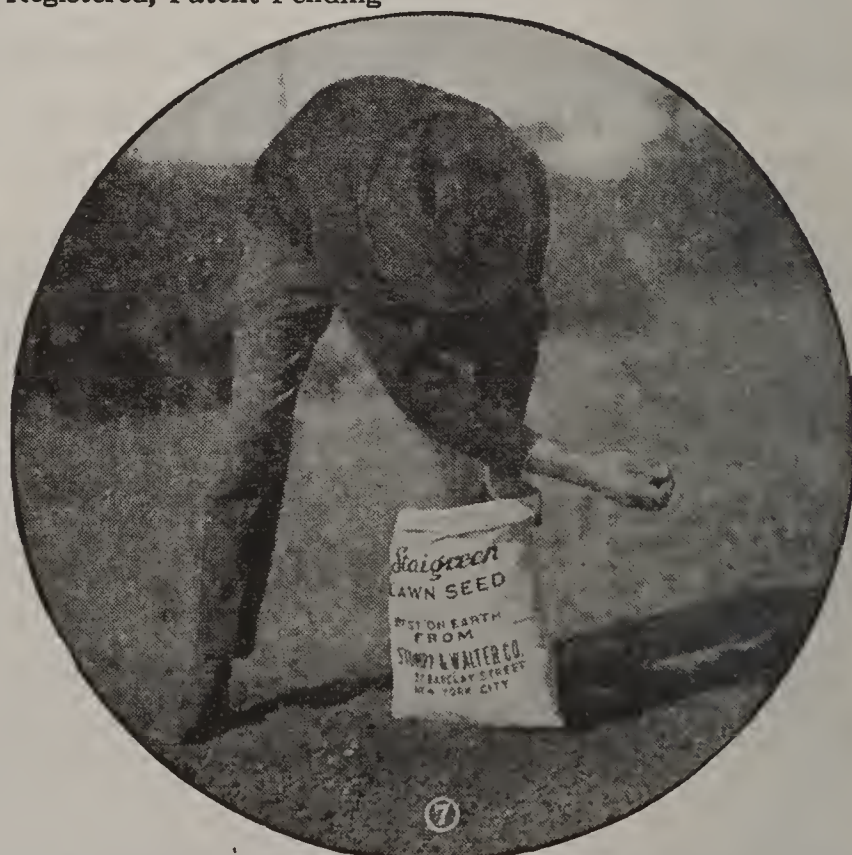
11 to 24 bags, 2.65 per bag

Over 25 bags, 2.50 per bag

We deliver **Lawnspread** within 50 miles of New York; to points beyond, purchaser pays transportation.

Lawnspread will not burn the grass, nor will it injure birds, cats, or dogs

*Trade-Mark Registered, Patent Pending



No seeds are purer and grow more vigorously than the grass seeds in Staigreen, which is a mixture of five distinct varieties, and for lawns around the residence Staigreen cannot be surpassed. For shade and special conditions use mixtures shown on the preceding page.

We Deliver Grass Seeds Free to Any Point in the United States

Turf for Sports

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. Its use for more than thirty years has proved its reliability. Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$18.50, 100 lbs. \$70.

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. Lb. \$1.10, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$80.

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 20 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.

Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Blue Grass, and Superfine Red-Top. The weight of a measured bushel is over 25 pounds. Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$13, 100 lbs. \$45.

Divot Formula

A blend consisting of (a) permanent grasses suitable for fairways and tees, with (b) seeds of the quickest growing plants that are of a temporary nature. The temporary plants grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$14, 100 lbs. \$50.



New Bowling Green at the Sky Top Lodges, Pa., attracts bowlers from near and far. Grass Seeds and Fertilizers supplied by Stumpp & Walter Co.

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. Lb. \$1.45, 5 lbs. \$6.85, 25 lbs. \$32.50.



Westchester Country Club, New York. Noted for the consistently high quality of its turf, this Club has been a purchaser of Stumpp & Walter Co.'s Grass Seeds for many years.

Mixed Fescues for Bunkers

A mixture of Red, Hard, Dwarf, Fine-leaved, Various-leaved, and Tall Fescues. Excellent for mounds, bunkers, and exposed sandy situations in the "rough." Use 15 pounds per 1000 square feet for new seedings. Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$14.50, 100 lbs. \$55.

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedings. Lb. 60 cts., 5 lbs. \$2.75, 25 lbs. \$11, 100 lbs. \$40.

"Rough" Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedings. Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$14.50, 100 lbs. \$55.

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. 5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$50.

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. Use 100 pounds per acre for a new field. 100 lbs. \$40, 1000 lbs. \$375.

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. Use 100 pounds per acre for a new field. 100 lbs. \$30, 1000 lbs. \$275.

Polo and Racing

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. Use 200 pounds per acre for new fields. 5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$50.

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. Sow 150 pounds per acre for new tracks. 100 lbs. \$30, 1000 lbs. \$275.

Use one-half the quantities recommended on this page when renovating worn or thin turf. Sow heavier for quick results.

Our Grass Seeds Are Specially Recleaned for the Elimination of Weeds

Individual Grass Varieties

Of Known Quality—Maximum Purity and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis capillaris*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$130.

SEASIDE BENT (*Agrostis palustris*; *A. maritima*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$125.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis capillaris*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$115.

COLONIAL BENT (*Agrostis capillaris*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.70, 10 lbs. \$16, 100 lbs. \$150.

ASTORIA BENT. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$105.

SOUTH GERMAN BENT or FIORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. \$1 70 \$16 00 \$150 00
Superfine Sample. For specialists' use. . . . 1 85 17 50 165 00

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Only limited quantities of pure seed are procurable. Lb. \$6, 10 lbs. \$55.

RED-TOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. ..\$0 45 \$4 00 \$30 00
Superfine Sample. For specialists' use. 50 4 50 35 00
Unhulled (Commercial grade) 35 3 00 20 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRD-GRASS or ROUGH-STALKED MEADOW GRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$60.

KENTUCKY BLUE GRASS (*Poa pratensis*). Used for all lawn purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination ..\$0 50 \$4 25 \$32 50
Superfine Sample. For specialists' use 55 5 00 40 00

CANADA BLUE GRASS (*Poa compressa*). Similar to Kentucky Blue Grass but of a less pleasing color. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

WOOD MEADOW GRASS (*Poa nemoralis*). Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$100.

ANNUAL BLUE GRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. 75 cts., 10 lbs. \$7.

Grass Seeds for Hay and Pasture, see page 63



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work has been carried on for many years.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S NEW ZEALAND FESCUE (*Festuca rubra fallax*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. 80 cts., 10 lbs. \$7.50, 100 lbs. \$65.

CHEWING'S FESCUE, U. S. grown seed. High purity and germination. Price on application.

FINE-LEAVED FESCUE (*Festuca tenuifolia*). For sowing between flagstones in the garden path. Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$100.

RED FESCUE (*Festuca rubra*). European; varies slightly from Chewing's Fescue. Lb. 70 cts., 10 lbs. \$6.50, 100 lbs. \$55.

CREeping RED FESCUE (*Festuca rubra genuina*). True strain. (Imported seed.) Lb. \$1.25, 10 lbs. \$11.50.

SHEEP'S or HARD FESCUE (*Festuca ovina*). A wiry, stiff, grey-green grass. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

MEADOW FESCUE (*Festuca pratensis*). A flat, broad-leaved grass. Tall and grows quickly. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

VARIOUS-LEAVED FESCUE (*Festuca heterophylla*). Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

Rye Grasses

One pound contains about 300,000 live seeds

ENGLISH RYE GRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in mixtures for lawns for speedy results. Valuable hay and pasture variety. Lb. 35 cts., 10 lbs. \$3.25, 100 lbs. \$22.50.

PACEY'S PERENNIAL RYE GRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfer type of English Rye Grass. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$27.50.

KENTISH RYE GRASS (*Lolium perenne*). Perennial old-pasture type. From Kent. (Imported seed.) Price on application.

SVALOF RYE GRASS (*Lolium perenne*). Perennial Victoria. True strain. Price on application.

ITALIAN RYE GRASS (*Lolium italicum*). A coarse, tall grass and a mammoth producer of hay. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

Sundry Varieties

AWNLESS BROME GRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*). Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

CRESTED WHEAT GRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$75.

MEADOW FOXTAIL (*Alopecurus pratensis*). Lb. \$1.05, 10 lbs. \$9.50, 100 lbs. \$85.

ORCHARD GRASS or COCKSFOOT (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 45c., 10 lbs. \$4, 100 lbs. \$30.

SWEET VERNAL (*Antboxanthum odoratum*). A dwarf-growing grass, useful for lawns and hay. Fragrant when drying. Lb. \$1.40, 10 lbs. \$13.30, 100 lbs. \$125.

TALL OAT GRASS (*Avena elatior*; *Arrhenatherum elatius*). Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

TIMOTHY (*Pbleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$15.

TIMOTHY, Aberystwyth, S 50 Type. New dwarf strain. Write for price.

WHITE CLOVER (*Trifolium repens*). Sometimes used for lawns and by the farmer for pasture. Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. (Imported seed.) Lb. \$3, 10 lbs. \$27.50.

YARROW (*Achillea millefolium*). Drought-resisting plant with delicate, fern-like leaves, sometimes used in mixtures for turf and pasture. Lb. \$1.75, 10 lbs. \$16.

BERMUDA GRASS (*Cynodon dactylon*). Much used in the South. Our seed contains a high proportion of the fine, dwarf type known as "Atlanta Bermuda." Lb. 65 cts., 10 lbs. \$5.50, 100 lbs. \$45.
Hulled seed, Lb. 75 cts., 10 lbs. \$7.

BULBOUS BLUE GRASS (*Poa bulbosa*). A winter turf grass for the southern states. Lb. \$1.10, 10 lbs. \$9.50, 100 lbs. \$90.

CARPET GRASS (*Axonopus compressus*). Coarse, but useful for wet southern lawns. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$30.

RHODES GRASS (*Cbloris virgata*). Lb. 70 cts., 10 lbs. \$6.50.

DALLAS GRASS (*Paspalum dilatatum*). Lb. 75 cts., 10 lbs. \$7.

DOMESTIC RYE GRASS. Italian and English Rye Grasses, produced in the United States and much used as a temporary winter turf in the South. Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$17.50.

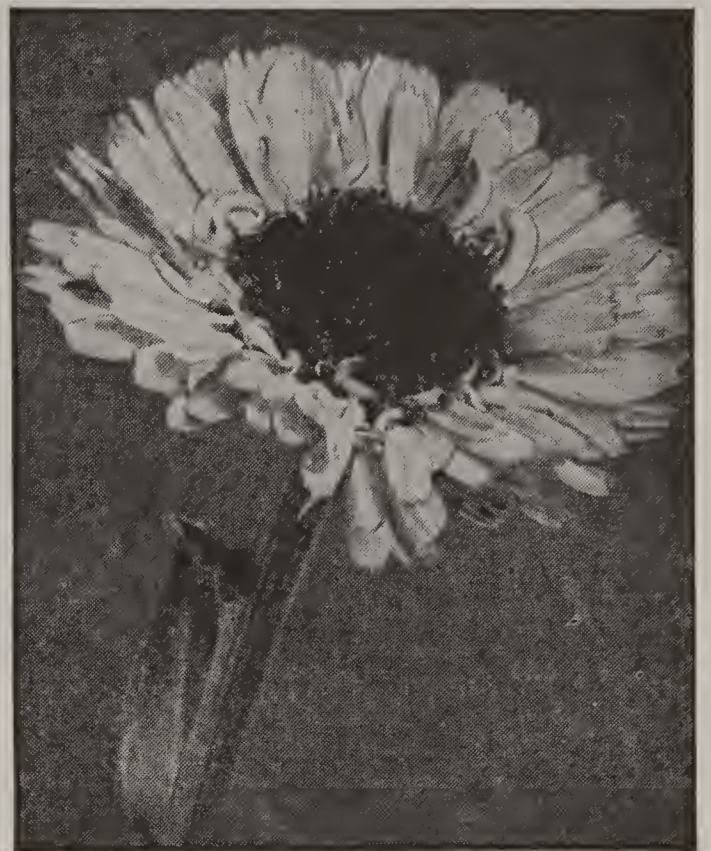
Novelties and Specialties in Flower Seeds



Antirrhinum, Swingtime



Aster, Enchantress



Calendula, Orange Fantasy

Rust-resistant Outdoor Antirrhinums

Maximum Type (Height 3 feet)

SWINGTIME. Large pink florets, each tipped bright yellow, and with a white throat.

YELLOW GIANT. Closely placed flowers on large trusses; color, the deepest yellow so far.

Majus Type (Height 2½ feet)

OPAL QUEEN. Combined pink, salmon and apricot; pale yellow tips.

PADRE. Self-colored crimson, deep, rich and glistening.

YELLOW JACKET. Deepest yellow in the Majus class.

Nanum grandiflorum Type (Height 1½ feet)

RED ROCK. The color is predominantly red, but is actually a blend of crimson, scarlet, orange, and light violet; the lower lip appears to be dusted with gold.

Any of the above 6 varieties, pkt. 25 cts., 5 pkts. \$1

Antirrhinums for the Greenhouse

White Wonder. The pure white florets are placed very close together on the 1½- to 2-foot flowering spikes, forming a solid mass of bloom. Height 4 to 6 feet. Pkt. \$2, 3 pkts. \$5.

Lemon Beauty. Early lemon-yellow sort; sown in June may be expected to flower from November to May. Pkt. \$1.50, 3 pkts. \$4.

Sawco Pink. Fine, quick, and free flowering. Almost a self pink, with a slight touch of yellow. 2½ ft. Pkt. \$1.50, 3 pkts. \$4.

Afterglow. Bronze. Pkt. \$1.

Bertha Baur. Lavender-orchid. Pkt. \$1.

Ceylon Court. Yellow. Pkt. 50 cts.

Cheviot Maid Supreme. Dark rose-pink. Pkt. 75 cts.

Cincinnati. Fragrant; light rose-pink. Pkt. \$2.

Happiness. Light pink. Pkt. 75 cts.

Helen. Salmon-pink. Pkt. 75 cts.

Jennie Schneider. Soft rose-pink. Pkt. 50 cts.

Laura. Dark rose. Pkt. \$1.

Lucky Strike. White. Pkt. \$1.

New Deal. Bronzy pink. Pkt. \$2.

Penn Orange. Pkt. \$1.

Philadelphia Pink. Pkt. 50 cts.

Roman Gold. Coppery yellow, suffused pink. Pkt. 75 cts.

Rose Queen. Pink. Pkt. \$1.

Sun Tan. Tan with yellow tip. Pkt. 75 cts.

Terry's Surprise Improved. Rose shaded bronze. Pkt. \$2.

Terry's Surprise. Bronzy pink. Pkt. \$1.

White Rock. Pkt. 50 cts.

Winter Helen. Salmon. Pkt. \$1.

THREE PACKETS OF A KIND: Three 50-ct. packets of any of above, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$2 pkts., \$5.

New Midget Antirrhinum, Magic Carpet

An attractive matting plant which may be used in the rock-garden or as a front-of-the-border subject. A mixture of pastel hues which are most effective. May be treated as an annual, but under favorable conditions it will live from year to year. Pkt. 50 cts., 3 pkts. \$1.25.

Two Miniature Ageratums

FAIRY PINK. Just the thing as an edging around your flower-beds.

Very compact and dwarf—when mature it is only 5 inches high and a mass of bloom. Even starts to flower when only half grown.

Delightful soft salmon-rose color. Pkt. 50 cts., 3 pkts. \$1.25.

IMPROVED BLUE BALL. Dwarf, compact plants are 4 inches high and very uniform. Its rich blue flowers are large and are produced continuously. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Asters Resistant to Wilt

AURORA, GOLDEN SHEAF. The deepest yellow Aster. The flowers are perfectly double, with a full, crest-like center, of good substance and fine depth. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

ENCHANTRESS. Delightful shade of lively salmon-rose. Large flowers of good substance are produced on plants of the Crego type in early September. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

ILLUSION. A soft pastel shade of apricot-pink. Upright plants are 2 feet tall and they bloom freely. A delightful new member of the Crego type. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

HEART OF FRANCE. The plants grow about 2 feet high, and bear their long, rich, deep ruby-red flowers on long, strong stems. A late-blooming sort. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Balsam, Torch. The little bush-shaped plants are only 10 inches high, but they are covered with bright vermilion flowers. A showy and brilliant annual, ideal for the rock-garden, window-boxes, flower-pots, or edging. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

Calendula, Orange Fantasy. The center or crest of the flower is ¾ inch across and mahogany-bronze in color, while the outer portion is orange. Over all, the blooms average 3¾ inches and the height of the plant is 20 inches. Pkt. 35 cts., 3 pkts. \$1.

Calliopsis, Golden Crown. A fine selection of large-flowered types of *Calliopsis Drummondii*. Rich gold or orange, many blossoms have a double row of florets. Excellent as cut-flower; and fragrant. Annual, growing 2 feet tall. Pkt. 50 cts., 3 pkts. \$1.25.

**ALL-AMERICA
WINNER, 1938**

**ALL-AMERICA
WINNER, 1938**

Annual Chrysanthemums

BLAZE. This is a sensational new annual of the easiest culture. Growing 2 feet high, from May-sown seed it blooms continuously all summer. The perfectly formed, large daisy-like flowers are clear fiery red with a tinge of vermilion. Pkt. 50 cts., 3 pkts. \$1.25.

GOLDEN CROWN. This sterling novelty is featured in color on the cover of this book. When you first see it you will be surprised that a flower so large and so fine is an annual, easily and quickly grown from spring-sown seed. Ideal cut-flowers, blooming from July to frost. Height, 3 to 4 feet. Pkt. 50 cts., 3 pkts. \$1.25.



Perpetual-flowering Carnations



Leptosyne, Golden Rosette



Helichrysum, New Dwarf Hybrids

Carnations and Dianthus

By Allwood

We offer originators' seeds of the following choice products of Allwood Bros., of Hayward's Heath, England. All are hand-fertilized under glass, and the best that can be grown; they are in original packets, bearing the seal of the world-famous specialists.

PERPETUAL-FLOWERING CARNATIONS. The finest strain in the world of these beautiful, hardy perennials. As bedding plants they flower during the entire summer; under glass they may be had in bloom all year. A mixture of large flowers in exquisite colorings. Originators' pkt. 50 cts.

PERPETUAL BORDER CARNATIONS. These combine the hardiness, shape, and beauty of the Border Carnation with the continued flowering of the Perpetual Carnation. Ideal hardy perennials, blooming all summer. Mixed colors. Originators' pkt. 50 cts.

DIANTHUS, NEW BLUE. Believed to be the only blue Dianthus in the world. It is lavender-blue, of a beautiful, bright, pleasing shade. The individual flowers are small, but are borne profusely in 9-inch trusses from July to September. Originators' pkt. \$1.

DIANTHUS ALLWOODI ALPINUS. A new race of dwarf, hardy perennials for the rock-garden, blooming from spring to near winter, in a beautiful mixture of all colors. Originators' pkt. 50 cts.

Dianthus Allwoodi, Single Mixed.
Dianthus Allwoodi, Double Mixed.
Dianthus, Loveliness.
Dianthus, Delight.
Sweet Wivelsfield, Single Mixed.
Sweet Wivelsfield, Double Mixed.

The above 6 are described on page 25

Each, in Originators' sealed packet, 50 cts.

NOTE. All these will produce flowering plants in from 6½ to 9 months of sowing seed. Instructions for culture are sent with each.

Cosmos, Sensation

A remarkable, early flowering, large Cosmos. Its mammoth flowers are 4 to 5 inches across, with wide, fluted florets. The foliage is heavy and the plant reaches a height of 4 feet, flowering in the exceptionally short period of 10 weeks from seed.

Pinkie. Beautiful pink. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

Purity. Pure white. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

Sensation Crimson. Wonderful cut-flower. Pkt. \$1, 3 pkts. \$2.50.

Sensation, Mixed. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

Cotyledon simplicifolia. New, half-hardy perennial for a sunny spot in the rock-garden. From the succulent, bushy plant, bright trailing spikes of tiny golden bells afford a brilliant effect in June and July. Give it the protection of some peat moss or leaves over winter. Pkt. 50 cts., 3 pkts. \$1.25.

Cuphea, Firefly. A compact, spreading annual, about 1 foot high. The flowers are produced freely and are somewhat fluted. Their color is a deep rosy scarlet, deepening to almost purple at the center. The plants bloom in about five months from the time seed is sown. Pkt. 50 cts., 3 pkts. \$1.25.

Remarkable Advance in Delphiniums

The New **Giant Pacific** Hybrids are so much larger and finer than the best varieties produced hitherto, that they have deeply impressed all who have seen them. All the florets are two inches or more across, and they are excellent for show purposes.

Each of the following, except Clear White, has a marked resistance to mildew.

LIGHT BLUE SHADES. Individual florets range in color from light to medium blue, while the center of each is white, fawn or black.

DARK BLUE SHADES. The range in color is from medium blue to dark blue, with white and dark "bees" for contrast.

MIXTURE OF BLUES. A combination of the above.

Above three, for immediate delivery, each, pkt. \$1, 3 pkts. \$2.50

Eight other selections will shortly be available. Seed is not yet ready, but on July 1 we will be able to supply

KING ARTHUR SERIES. Brilliant royal violet.

GUINEVERE SERIES. Light pink-lavender self.

SUMMER SKIES SERIES. Clearest light blue.

CLEAR WHITE. Clear, glistening white.

Above four, each, pkt. \$1.50. July 1 delivery

LAVENDER SHADES

LIGHT VIOLET SHADES

LAVENDER PASTEL SHADES

DARK VIOLET SHADES

Above four, each, pkt. \$1. July 1 delivery

Dimorphotheca, Orange Glory. The bright orange, daisy-like flowers are 2 to 2½ inches in diameter, and the prostrate plants are more compact than the type. An excellent bedding and cut-flower plant. Pkt. 50 cts., 3 pkts. \$1.25.

Eschscholtzia, Golden Glory. Orange flowers, lightening at the edges to golden yellow. They are large and double. An annual of the easiest culture. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

Godetia, Purity. An upright, single, pure white Godetia. The extra-large flowers are beautifully frilled, making the plant a handsome garden subject, as well as an excellent cut-flower variety. Height, 2 feet. Pkt. 25 cts., 5 pkts. \$1, ¼ oz. \$1.50.

Helichrysum, New Dwarf Hybrids. Strawflowers are usually straggling plants, but these new hybrids are really compact and only 15 inches high. They now make these Everlastings valuable for bedding and for garden decoration.

White
Yellow

Mixed

Rose
Salmon-Red

Each, pkt. 35 cts., 3 pkts. \$1

COLLECTION: One pkt. each of above 4 colors, \$1.25

Heliotrope, Marina. Large-flowering type widely used in Europe. It grows 2 feet high, with large trusses of deep lavender-blue flowers. The most fragrant Heliotrope. Pkt. 50 cts., 3 pkts. \$1.25.

Leptosyne, Golden Rosette. An annual of the easiest culture which will succeed almost anywhere. The pretty, double, daisy-like blooms are a bright butter-yellow color. Sow in the open ground and thin to allow the plants to stand 1 foot apart, or sow earlier under glass and transplant to the garden. Height, 18 inches. Pkt. 50 cts., 3 pkts. \$1.25.

Morning-Glory, *Heavenly Blue*

A charming annual climber, which will quickly clothe a fence, trellis or stump with its sky-blue flowers. These often are 4 inches across. An improved early-flowering strain of seed, producing a striking color effect continuously from early summer to frost.

Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50

(See pages 18, 24, and 31 for other Ipomœas and Convolvulus)



FOR THE FUTURE—

SCARLETT O'HARA MORNING-GLORY will be a fitting companion to this beautiful Heavenly Blue. Flowers are not as large but they are a rich dark wine-red.

Seed is not available for 1938 sowing, but if you desire to make sure of some of the limited supply available for next year's gardening we will be glad to book your order, sending you the seed in January, 1939. Price of seed of Morning-Glory, Scarlett O'Hara will be pkt. 50 cts., 3 pkts. \$1.25, available only in 1939.



CORNFLOWER, *Jubilee Gem*

These double flowers of true cornflower-blue literally cover the plant. Jubilee Gem is an annual of the easiest culture, seed either being sown directly into the open ground in spring, or, for earlier bloom, under glass in late winter, the plants being transplanted into the garden in May. It is suitable also for flowering in the greenhouse. Height, 12 inches.

Pkt. 35 cts., 3 for \$1, 1/4oz. \$1.50, oz. \$5



ACROCLINIUM, *Double Hybrids*

This annual is one of the Everlastings or Strawflowers. The daisy-like blossoms do not fade like most flowers; instead, they retain their shape and bright coloring for many months, when dried. Each is on an 18-inch stem, which makes these hybrids much sought after for bouquets for winter decoration. Flowers a few weeks after sowing seed in the open.

Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2



GIANT IMPERIAL

Larkspurs

These magnificent plants look almost like Delphiniums, because they are so large. They are annuals, easily grown from seed sown outdoors in the spring or under glass in winter, transplanting in May.

COLORS ILLUSTRATED
AT LEFT

Exquisite Pink
Improved
Sweet Lavender
Dazzler (carmine)
White Spire
Blue Spire

Any of the above, pkt. 15 cts.,
1/4 oz. 60 cts., oz. \$2

SPECIAL COLLECTION
One packet each of these
five colors, 60 cts.

See pages 11 and 32 for other varieties of Annual Larkspur. Seed of Delphinium (Perennial Larkspur) on page 25. Consult the "Perennial" section of this Catalogue for Delphinium plants.

Nierembergia Hippomanica (CUP-FLOWER)

An interesting annual for a warm, sheltered position outdoors or for greenhouse culture. Only 6 inches high, it forms a cushion of foliage covered with delicate lavender flowers, somewhat petunia-like, and 1 1/4 inches in diameter. Start seeds under glass and transplant in late May or sow direct into the open ground after all danger of frost is over.

Pkt. 50 cts., 3 pkts. \$1.25



NIEREMBERGIA HIPPOMANICA



Myosotis, Blue Ball



Russell Lupins



Marigold, Sunset Giants

Giant Imperial Larkspurs

An annual Larkspur of giant proportions with the habit of the Delphinium.

White King. The newest and finest glistening white variety. Handsome 5-foot spikes bear flowers of glistening purity. An early-blooming type.

Carmine King. Beautiful shade of deep carmine-rose.

Coral King. Blush-pink, suffused with coral, is a new color combination in Larkspur. The large double florets are borne on 2 to 2½-foot stems.

***Dazzler.** Vivid, lustrous carmine in color and in bloom seven to ten days earlier than other varieties.

***Exquisite Pink Improved.** The delightful shade of pink meets exactly the florists' requirements.

Gloria. A rich tone of deep rose, with no trace of carmine.

Lilac Queen. Color is a rich lilac, shading to lavender-blue. Popular for home decoration and essential for the florist.

Peach Blossom. Light pink with salmon trace.

***Sweet Lavender.** A delightful shade of rich lavender-blue. Highly commended by the Royal Horticultural Society of England.

***White Spire.** A new, dazzling, pure white, double Larkspur, possessing the shade of the Delphinium.

***Blue Spire.** Similar to the above, except the color is intense deep Oxford blue.

Lilac Spire. Beautiful shade of lilac so popular in Larkspurs.

Mixed Giant Imperial Larkspurs.

Each of the above, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

The varieties marked * in the above list are shown in color on page 10. We offer these five in a Special Collection, one packet of each, 60 cts.

The Russell Lupins

The homespun history of these new hybrids of *Lupinus polyphyllus* is familiar to many American horticulturists. They know the story of George Russell, an humble English gardener; his interest in Lupins in middle life; his ambition to improve the plant; his years of patient effort bringing him to old age; the veteran's final success with the wonderful hybrids now bearing his name; colors and combinations of color that have never before been seen; the size of the florets, their number on a spike, and the length of the spike are altogether sensational. **Mixture of Unusual Hybrids**, varying in height from 15 inches to 5 feet, but averaging 3½ feet. Hardy perennials. Sow this spring or summer to bloom the following year. 12 seeds 35 cts., 50 seeds 75 cts., 120 seeds \$1.50, 250 seeds \$2.75.

Microsperma, Golden Tassel. A dwarf, compact annual, in appearance rather suggestive of *Primula obconica*. It produces chrome-yellow, trumpet-shaped flowers, 2 inches across, each with many tassel-like yellow stamens. Seed may be sown in February or March and the plants set out in mid-May, or it will prove a useful greenhouse plant. Handle it carefully, however, for, like *P. obconica*, hairs on the foliage are sometimes irritating. Height, 9 inches. Pkt. 75 cts., 3 pkts. \$2.

The Newest Marigolds

Chrysanthemum-flowered Hybrids

Ideal for the grower of cut-bloom. These Hybrids include many new and distinct types, varying in size of flower from 2 to 4 inches in diameter. Some blooms are quilled and incurved; in others, the outer florets are flat and the center ones are quilled. Mostly they are on long stems. Height, 3 feet.

ORANGE INCURVED

GOLDEN INCURVED

YELLOW INCURVED

Each, pkt. 35 cts., ⅛oz. \$1, ¼oz. \$1.50

Chrysanthemum-flowered Hybrids. A mixture. Pkt. 25 cts., ⅛oz. 60 cts., ¼oz. \$1.

Crown of Gold. This is the much-discussed variety that has stem and leaves almost without odor, while the flowers are pleasingly fragrant. The center of the 2½-inch, handsome blooms consists of short, quilled, curled florets, and these are surrounded by a ring of drooping, flat florets; both are gleaming orange. Grows 2½ feet high. Pkt. 25 cts., ⅛oz. 60 cts., ¼oz. \$1.

Sunset Giants. The largest Marigolds yet developed. The flowers will average 5 inches in diameter, and with very high cultivation they have been produced up to 8 inches across. Mostly they are very double, although a few single blooms may be expected. They are sweet scented and their color-range includes deep orange, gold, deep yellow, light yellow, lemon-yellow, and primrose. The average height is 3½ feet, but in strong land they may run twice as high. This new giant type should be given a place in every garden. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

Two Dwarf Marigolds

Tiny Golden Crown (Tom Thumb Guinea Gold). This will provide a striking edging to a bed of taller Marigolds, for the bushy little plants are only 10 inches high. The flowers are large, however, of firm substance, perfect in shape, very double and bright golden yellow in color. An annual of the easiest culture. Pkt. 50 cts., 3 pkts. \$1.25.

Little Giants. On a plant little more than a foot high there will be an abundance of 4-inch blooms all summer. The shape of the flowers varies somewhat, and the colors range from light yellow to bright deep orange. A splendid cut-flower variety, and most valuable as an edging or border around a bed of taller Marigolds, petunias, heliotrope, etc.

Here is a suggestion: When thinning seedlings of Little Giants, replant elsewhere the few light green plants that may appear. Invariably these develop into taller plants. Pkt. 35 cts., 3 pkts. \$1.

Two Novel Myosotis

Blue Ball. Compact little plant with Forget-me-not flowers of the deepest indigo-blue. A gem for bedding or edging. Pkt. 35 cts., 3 pkts. \$1, ⅛oz. \$1.50.

Carmine King. Grows a few inches taller than the above, and the flowers are carmine-rose, aging to lilac-rose, giving a pleasing bi-color effect to the plant. Pkt. 50 cts., 3 pkts. \$1.25.



All-Double Petunia



New Dwarf Salpiglossis



Iceland Poppy, Yellow Wonder

Novelty Pansies

**ALL-AMERICA
WINNER, 1938**

CORONATION GOLD. The flowers of this giant type are 3 inches across, round, and with slightly ruffled edges. Color is canary-yellow, with the lower petals flushed golden orange. A splendid novelty for autumn or spring bedding. Pkt. 50 cts., 3 pkts. \$1.25.

SHAKESPEARE'S PANSIES. Simple, quaint little flowers, similar to those cultivated at Stratford-on-Avon, England, and believed to be the same primitive types with which the great poet was familiar. These should be placed in the intimate corners of your garden; they are unsuitable for display planting in the ordinary sense. Pkt. 50 cts., 3 pkts. \$1.25.

All-Double Dwarf Petunias

A strain remarkable for the size of the flower (many exceed 4½ inches in diameter), and for the fact that every seedling may be expected to produce double or semi-double flowers. Invaluable for pots, window-boxes, or beds.

Amaranth. Red.	Loveliness. Clear pink.
Gaiety. Rose and White. 1938	White Victorious.
All-America Winner.	World Beauty. Rose-carmine.
Each, pkt. 50 cts., 3 pkts. \$1.25	

Mixtures of All-Double Petunias

Contain a wonderful assortment of beautiful colors—carmine, brilliant rose, velvety purple-violet, purple, white, creamy yellow and intermediate colors; some, too, are variegated.

Victorious, Mixed. (Dwarf.) This includes the above five colors, plus many other hues. Height 10, to 12 inches. Award of Merit, R. H. S., England, 1935.

Triumphant, Mixed. (Tall.) Splendid mixture of dozens of bright colors; large, fully double, fringed blooms. Height, 15 to 17 inches. Each, pkt. 50 cts., 3 pkts. \$1.25

New Single Petunias

BURGUNDY. This is a remarkably fine strain of large-flowered Petunia, with blooms 3½ inches in diameter. It is a beautiful mixture of purple and carmine colors, and each flower has a white throat with violet lines. Pkt. 50 cts., 3 pkts. \$1.25.

THREE ALL-AMERICA WINNERS, 1938

SALMON SUPREME. This new sort will look wonderful in your flower-beds or window-boxes. The blooms are light coral-salmon—a new and unusual color; they are about 2 inches in diameter, literally covering the foot-high, somewhat spreading plants all summer. Pkt. 50 cts., 3 pkts. \$1.25.

TOPAZ ROSE (Rose and Gold). The robust plants are 1½ feet tall and they bear a profusion of light cerise-red or topaz-rose flowers with a pleasing perfume. Color does not fade in strong sun. Pkt. 50 cts., 3 pkts. \$1.25.

BLUE GEM. Of the Nana compacta class, this low, bushy plant has small, round flowers that are true violet-blue, distinct; a striking sort for bedding. Pkt. 50 cts., 3 pkts. \$1.25.

Three New Iceland Poppies

Hardy perennials to brighten the garden in early spring. Sow early to flower this year; in June or July for blooming next and later years.

YELLOW WONDER. This new variety grows 3 feet high. The enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

THE EMPEROR. Finest deep tangerine-orange Iceland Poppy yet introduced. The flowers are fluted and some have a tendency toward being semi-double. Strong, wiry stems, 1½ feet or more long. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

THE EMPRESS. Lovely shades of salmon-rose and pink which have not hitherto been seen in Iceland Poppies. The fluting and wrinkling of the flowers make them appear to be semi-double; they are exceptionally large and if gathered as the bud is breaking, are excellent for cut-bloom. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

Hardy Primulas. Early spring-flowering perennials. Dwarf bushy plants, each of which is covered with hundreds of showy flowers in charming pastel hues. For the rock-garden.

Multiflora, Red Shades	Multiflora, Lilac Shades
Each, pkt. 75 cts., 3 pkts. \$2	

Rudbeckia, Hirta Hybrids. Perennials which may be treated as annuals; if sown indoors in March and transferred to the garden in May, they will bloom generously in August and September. The flowers are very large, single, and each is of only one color; they range from a deep mahogany self through bronze and orange to yellow. Height, 2 feet. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

New Dwarf Giant-flowering Salpiglossis. Painted Tongue is the popular name for Salpiglossis, an easily grown annual with surprisingly beautiful, veined, lily-like blossoms. Here is a new dwarf, large-flowered type of great merit.

Dwarf Khaki Yellow. Novel yellow flowers, with brown markings.

Dwarf Blue and Gold. Golden veinings on mid-blue flowers.

Dwarf Bright Scarlet. A brilliant flower with dark striping.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

New Stocks

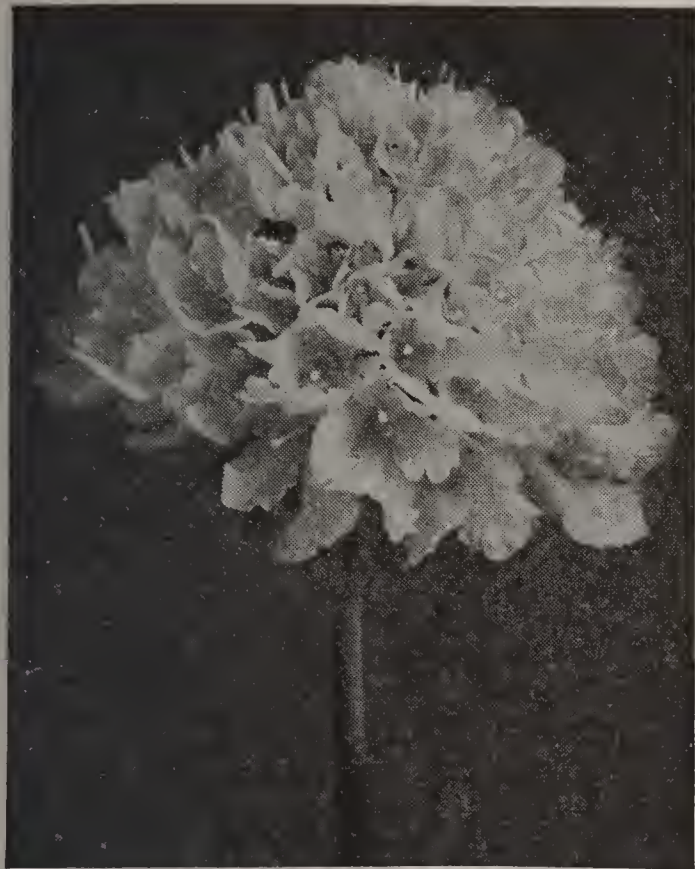
NON-BRANCHING or COLUMNAR TYPE. For greenhouse forcing. A high percentage of double flowers are carried on the handsome, single-stem plants. Height, 3 feet.

Chamois-Rose.	Light Blue.	Purple.
Copper King.	Moonlight. Yellow.	Silvery Lilac.
Crimson.	Pure White.	Mixed.
Deep Rose.	Each, pkt. 75 cts., 3 pkts. \$2	

SUPER-GIANT IMPERIAL. For the professional grower. Basal-branching, each plant produces twelve giant flower-spikes. Individual florets are double and 2 inches across. Height, 3 feet.

Rose Charm. **Blue Charm.**

Each, pkt. 50 cts., 3 pkts. \$1.25



Scabiosa, Loveliness



Sweet Pea, King Lavender



Zinnia linearis

Improved Annual Scabiosas

ORCHID SHADES. Developed primarily for the florist and professional decorator, these are of equal interest to the amateur who looks for a beautiful cut-flower of simple culture. The flowers are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others. All are pleasingly fragrant. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

LOVELINESS. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

SALMON BEAUTY. A fitting companion to Loveliness, it has the same vigor of growth and enormous flowers, but the new color is a charming pure salmon. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Summer-flowering Sweet Peas

ABUNDANCE. (*Mauve.*) Remarkable new variety; six to nine flowers are produced in a spray. They are fairly large and of an orchid-like mauve color. Pkt. 35 cts., 3 pkts. \$1.

BRIDAL VEIL. (*White.*) Clear, chaste, and pure white. The giant flowers are beautifully frilled. Many are duplexed. Black seed. Pkt. 20 cts., oz. 75 cts.

DIANA. (*Rose-pink on cream.*) Immense flowers, in color a delicate rose-pink on a cream ground. They are duplexed and are carried on long stems. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

DISCOVERY. (*Chamois-pink.*) The color is very bright and deep and the blooms are enormous. Pkt. 35 cts., 3 pkts. \$1.

FLAGSHIP. (*Blue.*) This won the Silver Medal of the Scottish Sweet Pea Society last year. Long stems carry large, frilled blooms of a clear, deep blue. Pkt. 20 cts., oz. 75 cts.

GOLDEN DRAGON. (*Orange.*) Duplex sort of great merit. The standard is bright orange, while the wings shade to a deeper orange-rose. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

GRANDEUR. (*Shell-pink on white.*) Distinct and very clear color. The vigorous plant is in bloom continuously throughout the season. Pkt. 35 cts., 3 pkts. \$1.

KING LAVENDER. (*Lavender.*) The most vigorous in this color. Large flowers of clear, light lavender. Pkt. 35 cts., 3 pkts. \$1.

LIFE. (*Scarlet.*) The brightest and most effective scarlet-cerise. Flowers freely and is decidedly sunproof. Pkt. 20 cts., oz. 75 cts.

MAYTIME. (*Golden cerise.*) The combined hues produce a tone of great richness—cerise with a golden overtone. Normally producing four or five flowers on a stem, it has been awarded a Certificate of the Scottish National Society. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

PEER. (*Orange-pink on cream.*) Vigorous plant, producing very large flowers. A. M., National S. P. Society, 1936. Pkt. 35 cts., 3 pkts. \$1.

YELLOW TIP. (*Near yellow.*) Flowers are large, well balanced, and the plant grows strongly. Pkt. 35 cts., oz. \$1.25.

COLLECTION: One pkt. each of above 12 new varieties, \$3
A "duplex" Sweet Pea seems to be semi-double, the nearest to a double flower hitherto achieved by hybridizers.

THE ALL-AMERICA WINNERS

A committee of horticultural trade experts grows trial rows of new plants every season. Novelties showing the greatest merit are given awards by this All-America Committee, and the most outstanding of all earns the Gold Medal of the year. We indicate these superior kinds, and we especially recommend them.

Up-to-the-Minute Salvias

BLAZE OF FIRE. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto, it is quite the best bedding variety. The novelty of the year. Height, 1 foot. Pkt. 50 cts., 3 pkts. \$1.25.

PATENS, MAUVE QUEEN. This introduction gives us a valuable new color for bedding, helio-mauve. May be treated as an annual, sowing seed early and transplanting when danger of frost has passed. Pkt. 50 cts., 3 pkts. \$1.25.

New Verbenas

ALL-AMERICA WINNER, 1937

FLORADALE BEAUTY. A new selection from the Beauty of Oxford class. It bears large clusters of flowers of beautiful rose and salmon-rose hues. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

CRIMSON GLOW. The color is vivid and new—a fine crimson, pure, self-colored and without even a white eye. The trusses of flowers are large. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

BONARIENSIS. Hardy perennial producing rosy lavender flowers on long, stiff stems; these are highly and sweetly perfumed, and are most valuable for cut-flower purposes. $4\frac{1}{2}$ feet. Award of Merit, R. H. S., England. Pkt. 50 cts., 3 pkts. \$1.25.

Five New Zinnias

DESERT GOLD. Gardeners will welcome Desert Gold, of the new "Crown of Gold" strain. The light and deeper hues of gold have been segregated, being equally striking in the garden or for cut-bloom. Height, $2\frac{1}{2}$ feet. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

LINEARIS. Here is an ideal flowering plant for window-boxes or for any location where a dwarf and brilliant plant can be used. It grows 10 inches high and may spread 2 feet; from within six weeks of sowing seed until frost, it is covered with a profusion of medium-sized, single, daisy-like flowers. The outer florets are golden orange with a yellow stripe running the length of each; the center eye is dark brown. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

SCABIOUS-FLOWERED HYBRIDS. The flowers are of medium size, but are produced in great profusion. They have wide outer florets, but the inner section is made up of tubular florets resembling the Scabious. Colors include Crimson, Scarlet, Orange, Yellow, Pink, and White. **Mixed**, pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

SCABIOUS-FLOWERED, AUTUMN TINTS. The colors are orange, bronze, russet, dull red, carmine, terra-cotta, and intermediate shades. **Mixed**, pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

LILLIPUT, PASTEL SHADES. These 1-foot-high Baby Zinnias are compact and symmetrical, and the tight little blooms are on long stems. Invaluable for cut-flower purposes, they are excellent for bedding, too, their effect being one of restrained beauty, of conservative brilliance. In the mixture are soft apricot, peach, cream, shell-pink, salmon, rose, and orchid. They flower 45 days after sowing. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Annual flowers in the garden of Mrs. A. M. Viele, Yonkers, N. Y., product of Stumpp & Walter Co.'s Seeds. This garden won first prize in the *Herald Tribune* Garden Contest. Prize-winning photo submitted by Frank L. Rehn

General List of Flower Seeds

We mail Flower Seeds post-free to any point in the United States

ABRONIA

Annual. Verbena-like trailing plant, especially fragrant at night. Rosy pink flowers. 9 in.

Umbellatum. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

ABUTILON (*Flowering Maple*)

Greenhouse Plant. Coolhouse shrub, window-plant, and for summer bedding. Perpetual-blooming. Bell-shaped flowers. 3 ft.

Finest Mixed. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.

ACACIA Lophantha. *Greenhouse Shrub.* Related to mimosa. Narrow foliage. Yellow flowers. 6 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

A. Baileyana. *Greenhouse Shrub or Tree.* Yellow flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

ACANTHUS mollis latifolius (Bear's Breech). *Perennial.* Has rose-colored flowers. 3 ft. Aug., Sept. Pkt. 10 cts., oz. 75 cts.

ACHILLEA (*Yarrow; Sneezewort*)

Ptarmica, The Pearl. *Hardy Perennial.* Small, double, white flowers. 2½ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Ageratifolia. Dwarf, white-flowered plant for the rock-garden. Blooms from March to May. Pkt. 50 cts., 3 pkts. \$1.25.

Filipendula. *Hardy Perennial.* Yellow. 3 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Millefolium roseum. *Hardy Perennial.* Pink. 1½ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

ADLUMIA cirrhosa (Mountain Fringe; Allegheny Vine). *Biennial Climber.* For trellises, etc. Fern-like foliage. Flowers tube-shaped, white or purplish. Sown early, will bloom same year. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ACONITUM (*Monkshood; Wolfsbane*)

Wilsoni. *Hardy Perennial.* The most handsome of the Monkshoods. Long spikes of light blue flowers from summer until November. 5 ft. Pkt. 25 cts., $\frac{1}{16}$ oz. \$1.

Napellus. *Hardy Perennial.* Hooded blue flowers. 3 to 5 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Napellus roseus. *Perennial.* Lavender-pink. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Fischeri. *Hardy Perennial.* Dwarf; deep blue. 1½ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1.

Finest Mixed. All colors. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

ACROCLINIUM

Annual; Everlasting. Pink or white flowers; useful for dried bouquets for winter decoration. Easily grown. 20 in.

Large Double Hybrids. See page 9. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.



Bird-bath planting: Viola and Ageratum. First prize at the Delaware County Horticultural Society; product of Stumpp & Walter Co.'s Seeds. Photo submitted by Mrs. C. H. Curtis, Delhi, N. Y.

ÆTHIONEMA persicum. *Hardy Perennial.* Rose-pink flowers. June, July. 9 in. Pkt. 35 cts., 3 pkts. \$1.

ADONIS (*Pheasant's-Eye*)

Aleppica. *Annual.* Brilliant blood-red flowers. 1½ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

Vernalis (Spring Adonis). *Perennial.* Yellow flowers in spring. 1 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

AGATHAEA (*Blue Daisy*)

Cœlestis. *Greenhouse Plant.* Tender perennial, with beautiful blue flowers. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

AGERATUM (*Floss Flower*)

Annual. Bedding plants, blooming from spring till frost. Usually started under glass; can also be sown outdoors in May.

Fairy Pink. See page 7. Pkt. 50 cts.

Improved Blue Ball. See page 7. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Blue Cap. Large deep blue flowers. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Venus. Red buds, opening to white flowers with soft red centers. 1 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Blue Perfection. Deep blue flowers produced in abundance. Fine for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, Blue. Bright blue. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, White. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Blue Star. Bright blue. 5 in. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Little Silver Star. Silver-gray flowers. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

AGROSTEMMA (*Rose Campion*)

Coronaria. *Hardy Perennial.* Large; dark blood-red. Foliage silvery. June–Sept. 2 ft.

Coronaria alba. White. **Coronaria Mixed.** **Flos-Jovis.** *Hardy Perennial.* Pink. 1 ft.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Plant a Bed of Antirrhinums with an Edging of Ageratum and Alyssum



Border of Sweet Alyssum. Prize-winning photo submitted by Miss G. Leyers, Lake Swannanoa, N. J.

SWEET ALYSSUM

- White Carpet** (*A. compactum procumbens*). *Hardy Annual*. Pure white flowers are produced profusely. 2 to 3 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.
- Annual Yellow** (*A. lutescens*). *Hardy Annual*. Pale yellow fading to white. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.
- Lilac Queen**. *Hardy Annual*. Lilac-colored flowers. It also makes a fine combination with White Carpet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.
- Little Gem** (*A. maritimum*). *Hardy Annual*. Plants grow 4 inches high, and each covers a circle of 12 to 20 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.
- Sweet Alyssum** (*A. Benthami*). *Hardy Annual*. Well-known fragrant white variety. 9 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.
- Saxatile compactum** (Golden Rain). *Hardy Perennial*. Excellent rock or border plant, bearing bright yellow flowers from April to June. 9 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
- Saxatile, Silver Queen**. *Hardy Perennial*. There are so few early spring-blooming perennials that this variety will be especially appreciated for its large masses of the palest lemon flowers. Pkt. 25 cts., 5 pkts. \$1.
- Perennial Rock Species, Mixed**. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ALONSOA Warscewiczii. *Greenhouse Annual*. Scarlet flowers. Dark green foliage. Pkt. 25 cts., 5 pkts. \$1.

ALOYSIA. See Verbena.

ALUM ROOT. See Heuchera.

AMARANTH. See Globe Amaranth.

AMARANTHUS

Annual. Brilliant-foliaged plants 3 to 5 feet high, some bearing curious racemes of flowers. Useful in borders or large beds.

Caudatus (Love-Lies-Bleeding). Blood-red; drooping. Pkt. 10 cts.

Cruentus (Prince's Feather). Dark red, feathery flowers. Pkt. 10 cts.

Sunrise. Foliage bronzy crimson, each branch ending in a tuft of bright scarlet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Molten Fire. Best and showiest. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Tricolor (Joseph's Coat). Leaves red, yellow, and green. Pkt. 10 cts.

ANAGALLIS

Annual. Splendid edging plant because its flowering period is long. Like its wild relative, the scarlet pimpernel, it opens its flowers widest when fine weather is due and closes them tight as a storm warning.

Bluebird. Beautiful shade of lobelia-blue.

Terra-Cotta-Red. A cheerful, brilliant hue.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

ANTHEMIS

Kelwayi (Marguerite). *Perennial*. Large, yellow daisy flowers. 2 ft. July-Sept.

Nobilis (Chamomile). *Perennial*. White. 2 ft.

Tinctoria. *Perennial*. Fine-cut foliage, with yellow daisy flowers. June-Oct.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Tinctoria, New Hybrids. Mixed shades from white to yellow. Splendid cut-flower. Pkt. 25 cts., 5 pkts. \$1.

ANCHUSA (Alkanet)

Capensis. *Biennial*. Flowers azure-blue. 1 $\frac{1}{2}$ ft. July, Aug. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Italica, Dropmore Variety. *Perennial*. Bright blue flowers, from July to Sept. A great improvement over existing varieties. 4 to 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Myosotidiflora. *Perennial*. Mass of blue forget-me-not-like flowers. 1 $\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Opal. *Perennial*. Beautiful hardy plant, similar to Dropmore, but pale blue. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Annual Blue Bird. Dwarf, compact type, 18 inches high, with vivid indigo-blue blossoms. Flowers two months after sowing. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ANEMONE

Chrysantha. *Hardy Perennial*. Flowers are double and the mixture contains a complete range of colors. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Giant de Caen (Windflower). *Perennial*. Giant French Anemone. Excellent for cutting. 9 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Blue Poppy. *Hardy Perennial*. A fine all-blue sort. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

His Excellency. *Hardy Perennial*. An all-red variety. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

St. Brigid. *Perennial*. Creagh Castle strain of Irish Anemone. Great variety of colors. Pkt. 25 cts., 5 pkts. \$1.

ANODA Hastata. *Hardy Perennial*. Giant Mallow having glaucous, almost evergreen foliage and pink trumpet flowers. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Rustproof Antirrhinums

Snappedragons

Treat as Annuals. Seed may be sown in the open ground early in May, or indoors in March and transplant. More than 75 per cent of the plants resulting from seed of the following three types will be absolutely rustproof.

Maximum or Super-Giant

Height about 3 ft.

Swingtime

Yellow Giant

Each, pkt. 25 cts., 5 pkts. \$1

For description, see page 7.

Alaska. Pure white.

***Apple Blossom**. Light pink.

Campfire. Luminous scarlet.

***Canary Bird**. Canary-yellow, deeper lip.

Christmas Candle. Bright flame-red.

Copper King. Burnished copper; gold lip.

***Copper Shades**. Various shades of copper.

***Crimson**. Deep crimson.

Indian Summer. Orange-copper-scarlet.

***Loveliness**. Soft rose-pink.

Red Cross. White tube with crimson face.

Each of above, pkt. 25 cts.,

$\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25

COLLECTION: 5 varieties marked (*), \$1

Maximum, Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz.

50 cts., $\frac{1}{4}$ oz. 75 cts.

Majus or Tall Type

Height 2 $\frac{1}{2}$ ft.

Opal Queen

Yellow Jacket

Padre

Each, pkt. 25 cts., 5 pkts. \$1

For description, see page 7.

***Buttercup**. Canary-yellow.

***Daintiness**. Deep pink.

Harmony Shades. Terra-cotta and rose.

***Pink Shades**. Pleasing shades of pink.

***Scarlet (Defiance)**. Scarlet-red.

***Shasta**. Pure white.

Torchlight. Garnet, suffused orange.

Each of above, pkt. 15 cts.,

$\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

COLLECTION: 5 varieties marked (*), 60 cts.

Majus, Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.,

$\frac{1}{4}$ oz. 50 cts.

Nanum Grandiflorum Type

Height about 1 $\frac{1}{2}$ ft.

Red Rock. See page 7. Pkt. 25 cts., 5 pkts. \$1.

Carmine-Rose. Carmine-rose; yellow lip.

Glowing Sunset. Lower half of blossoms velvety scarlet; upper half has a rose tinge.

Indian Girl. Brownish shiny orange, overlaid with yellow.

Red Boy. A brilliant flaming color.

Wildfire. Orange-scarlet; yellow lip.

Each of above, pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.,

$\frac{1}{4}$ oz. 75 cts.

COLLECTION: Pkt. each above 5 varieties,

60 cts.

Nanum grandiflorum, Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

California University, Mixed. All-America Winner, 1935. Fine color-range. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Midget Antirrhinum

Height 6 in. (Not rustproof)

Rock Hybrids. Valuable for edgings and the rock-garden; wonderful mixture. Early, continuous. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Magic Carpet. *New Perennial*. See page 7. Pkt. 50 cts., 3 pkts. \$1.25.

Greenhouse Antirrhinums—see page 7



Improved Crego Asters from Stumpp & Walter Co.'s wilt-resistant seed. Prize-winning photo submitted by Mrs. W. D. Washburn, Poolville, N. Y.

AQUILEGIA (Columbine)

Perennial. Sow outdoors in early summer.

GIANT LONG-SPURRED. The plants are of strong, thrifty growth, perfectly hardy and bear long-spurred, large flowers.

Copper Queen. Copper-red and straw-color flowers. Most effective.

Blue Shades. Splendid selection of all hues from light to dark blue.

Pink Shades. Contains the various tones from light pink to darkest rose.

Scarlet Shades. All the colors of light scarlet, dark scarlet, and crimson.

Mixed Shades. Including all above colors.

Each, pkt. 25 cts., 1/8oz. \$1,
1/4oz. \$1.50, oz. \$5

Clematiflora. New type; flowers shaped like a clematis. Mixed colors, mostly pink and blue. 1 1/2 ft. Pkt. 75 cts., 3 pkts. \$2.

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cærulea. Violet-blue and white. 2 ft. Pkt. 15 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Chrysantha. Canary-yellow. 3 ft. Pkt. 10 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Californica hybrida. Yellow and orange shades. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Longissima. Delicate pale yellow. Spurs often 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25.

Rose Queen. Rose shades with white centers and yellow anthers. 3 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

HARDY ASTERS PERENNIAL

Michaelmas Daisies.

Alpinus. Large, bluish purple flowers in May and June. Good rock-garden plant. 9 in. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Alpinus albus. White form of above. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Amellus, Sonia. Best pink variety; pure and bright. Awarded certificate R. H. S., Eng. Pkt. 50 cts., 3 pkts. \$1.25.

Bessarabicus. Large, rich violet flowers. 2 ft. Pkt. 15 cts., 1/8oz. \$1.50.

Novæ-angliæ, Mixed. Good-sized flowers: Violet-Purple, Reddish Crimson, and Pink. 4 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Subcæruleus, Wartburg Star. Bright lavender-blue, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in April and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1 1/2 feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not immune to "Yellows," however, although they are very robust and less likely to be affected than old-time sorts.

BALL'S WHITE. Finest midseason white Aster. The flowers are 4 inches in diameter. When first open they are whorled and the broad petals are slightly folded lengthwise. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

BLUE FLAME. Bright navy-blue, distinct from any other dark blue or purple Aster. Large, Comet-like flowers, fully double. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

IMPERIAL RED. A wonderful new giant single Aster, with curled and interlaced outer florets. Growing 18 inches high, each plant produces many flowers on good, long stems. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

QUEEN OF THE MARKET. *Wilt-resistant.* Well-known; early; branching habit. 1 1/2 ft.

White Scarlet
Crimson Flesh-Pink
Dark Blue Light Blue

Any of above colors, pkt. 15 cts.,
1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 6 colors, 75 cts.

EARLY ROYAL. (Branching Type.) *Wilt-resistant.* Early-flowering form, coming into bloom in July.

White Purple
Lavender Shell-Pink
Rose-Pink

Any of above colors, pkt. 15 cts.,
1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 5 colors, 60 cts.

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) *Wilt-resistant.* Finest and largest of the Comet Asters. Flowers are borne on long stems and frequently are 5 inches across.

Orchid Azure-Blue Shell-Pink
Deep Rose Crimson
Dark Blue White

Any of above colors, pkt. 20 cts.,
1/4oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Collection: Pkt. each, above 7 colors, \$1.25

ASTERMUMS. *Wilt-resistant.* New race of the Comet Type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems, each carrying enormous flowers like chrysanthemums.

White Lavender Rose-Pink

Any of above colors, pkt. 20 cts.,
1/4oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Collection: Pkt. each, above 3 colors, 50 cts.

THE SIX KINGS. The long, narrow petals are folded lengthwise or quilled; flowers last longer when cut than other types. Early midseason.

Crimson Peach Blossom
Blackish Blue Lavender
Rose White Mixed

Any of above colors, pkt. 20 cts.,
1/4oz. 60 cts., oz. \$2

Mixed. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 6 colors, \$1

MIDSEASON GIANTS. Sturdy, upright plants produce giant flowers often measuring 6 inches in diameter, fully double, and of great substance.

Azure-Blue Shell-Pink Purple
Lilac White Mixed
Rich Rose

Any of above colors, pkt. 25 cts.,
1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 6 colors, \$1

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink Carmine-Rose White
Purple Azure-Blue Mixed
Crimson

Any of above colors, pkt. 25 cts.,
1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 6 colors, \$1

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across.

White Dark Blue Scarlet
Light Blue Light Rose Mixed

Any of above colors, pkt. 15 cts.,
1/4oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Collection: Pkt. each, above 5 colors, 60 cts.

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White Purple
Shell-Pink Crimson
Rose-Pink Sensation (red)
Lavender

Any of above colors, pkt. 15 cts.,
1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Collection: Pkt. each, above 7 colors, 85 cts.

STRIKING VARIETIES described on page 7.

	Pkt.	1/4oz.	Oz.
Aurora, Golden Sheaf	\$0 25	\$0 75	\$2 50
Enchantress	25	1 00	3 50
Heart of France	25	75	2 50
Illusion	25	1 00	3 50

Non-Wilt-Resistant Strains

LILLIPUT-FLOWERED. Beautiful early, dwarf Asters, producing an abundance of small flowers; valuable for cutting. 14 in.

Crimson White, Blue Center
Dark Blue White, Rose Center
Brilliant Rose Pure White
Fiery Scarlet Mixed

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50
Collection: Pkt. each, above 7 colors, 85 cts.

GIANT SUNSHINE. Individual blooms are enormous, 4 to 6 inches in diameter, with cushiony centers of tubular florets and rims of exquisitely pointed out-guard florets. 3 ft.

Pale Pink Rich Rose
Lavender White
Salmon-Pink Mixed
Light Blue

Each, pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1
Collection: Pkt. each, above 6 colors, \$1

ARABIS (Rock Cress)

Snow Cap. Six-inch, snow-white flowers, which overtop and almost hide the foliage. Pkt. 50 cts., 3 pkts. \$1.25.

Alpina. Perennial. For edging and rock-eries. Spreading tufts covered with white flowers. April. Pkt. 10 cts., 1/4 oz. 50 cts.

Alpina rosea. Perennial. Bright rose. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$2.

ARCTOTIS (African Daisy)

Annual. Sow indoors in late winter and plant out when danger of frost has passed; or sow in the open in May.

Breviscapa aurantiaca. Dark orange, daisy-like flower, shading to reddish brown on the back. 6 in. Pkt. 35 cts., 3 pkts. \$1.

Grandis. Flowers are large, showy, white above, lilac-blue beneath. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Sawco Hybrids. Recommended for cut-blooms. Mixture comprises: Coppery Rose, Red, Crimson, Orange, Gold, Cream. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$1.50.

ARMERIA (Sea-Pink)

Perennial. Dwarf plants that thrive almost anywhere. For the alpine garden or as edging plants. 9 in.

Bees' Ruby. Deep rosy red. Pkt. 50 cts., 3 pkts. \$1.25.

Formosa. Pink. Pkt. 20 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Lauchiana. Double; rose-crimson. Pkt. 25 cts., 1/8 oz. \$2, 1/4 oz. \$3.50.

Maritima. Red. Pkt. 25 cts., 1/8 oz. \$2, 1/4 oz. \$3.50.

ARENARIA montana. Perennial. For the rock-garden or edging. A trailing carpet of green with white flowers. 6 in. Pkt. 25 cts.

ARGEMONE mexicana (Mexican or Prickly Poppy). *Annual.* Ornamental spiny foliage has a clear silvery mid-rib. Flowers are poppy-like, over 3 inches across, yellow to creamy white. Blooms all summer. 3 ft.

A. platyceras rosea. *Annual.* Recent introduction similar to the above with rich ruby-rose flowers.

Each, pkt. 10 cts., 1/4 oz. 50 cts.

ARNEBIA cornuta (Arabian Primrose; Flower of the Prophet). *Annual.* Easily grown, and produces yellow flowers spotted with brown. 2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

ARTEMISIA sacrorum (Summer Fir). *Annual.* Stately, leafy plant, spring-sown. Grown for its pyramidal form and ornamental foliage. 4 ft. Pkt. 10 cts.

ASCLEPIAS curassavica. *Greenhouse Plant.* Winter bloomer with showy orange flowers. 2 ft.

A. tuberosa (Butterfly Weed; Pleurisy Root). *Hardy Perennial.* Orange flowers. 2 1/2 ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.

ASPARAGUS plumosus nanus. *Greenhouse Plant.* A graceful pot-plant for house or conservatory. Finely cut foliage. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$2.25, 1000 seeds \$4.

A. Sprengeri. *Greenhouse Plant.* For hanging-baskets or cutting. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$2, 1000 seeds \$3.

ASPERULA odorata (Sweet Woodruff). *Perennial.* Creeping plant, with deep green, whorled foliage; white flowers. Useful for shady situations. 6 in. June, July. Pkt. 10 cts., 1/4 oz. 50 cts.

AUBRIETIA (False Wall Cress)

Perennial. Rock-plants, forming masses of flowers in spring and early summer.

Bougainvillei. Dark blue flowers. Pkt. 15 cts., 2 pkts. 25 cts.

Deltoidea. Lilac. 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

Græca. Light blue. 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

Leichtlinii. Bright reddish crimson. Pkt. 25 cts., 5 pkts. \$1.

Large-flowering Hybrids, Mixed. Wide color-range. Pkt. 25 cts., 5 pkts. \$1.

AURICULA

New Triumph Strain

Perennial. Primrose-shaped blooms, in color from dark crimson-scarlet through pink to cream.

Seed may be sown in March, and the plants carried along for blooming indoors the following winter, or for bedding during the ensuing spring. Pkt. 50 cts., 3 pkts. \$1.25.

Choice Mixed. 6 in. Pkt. 25 cts., 5 pkts. \$1.

BALSAM (Lady's Slipper)

Annual. Brilliant, double flowers. Start the seed indoors in April, or sow outdoors in May. 2 ft.

White Perfection. Large; white.

Scarlet King. Glowing, fiery scarlet.

Salmon Queen. Deep rose-pink.

Lilac Gem. Beautiful pale lilac.

Purple King. Rich purple.

Primrose Gem. Beautiful primrose.

Each, pkt. 10 cts., 1/4 oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Torch. See page 7. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$1.50.

S. & W. Co.'s Double, Mixed. Self-colors as well as spotted, blotched and striped varieties. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

BALLOON VINE (Love-in-a-Puff). *Annual Climber.* Flowers are white and the balloon-like seed-vessels are interesting. Sow as soon as ground becomes warm. 8 ft. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.

BAPTISIA australis (False Indigo). *Perennial.* Deep green, cut foliage and lupine-like blue flowers. 3 ft. June, July. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

BARTONIA aurea. *Annual.* Bright golden flowers from July to September. Fine for cutting. 1 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

BELLIS (English Daisy)

Perennial. Stands the winter if given protection. Blooms from early spring until summer. Seed may be sown in summer.

Giant-flowering.

White Pink Mixed

Each, pkt. 25 cts., 1/4 oz. \$1

Snowball. Pkt. 15 cts., 1/4 oz. 75 cts.

Longfellow, Pink. Pkt. 15 cts., 1/4 oz. 75 cts.

Double Red Quilled. Pkt. 25c., 1/4 oz. \$1.50.

English Daisy (*Bellis perennis*). The small wild flowers found in English lawns. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

BIDENS humilis. *Annual.* Flowers a few weeks after sowing. Small, bright yellow flowers. Pkt. 10 cts., 1/4 oz. 50 cts.

BOCCONIA cordata (Plume Poppy; Tree Celandine). *Perennial.* Effective as single specimens or groups. Bears spikes of cream-colored flowers 2 to 3 feet long. 5 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

BEGONIAS

Greenhouse Plants and Summer Bedders

The following varieties of *Begonia semperflorens* and *B. gracilis* take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing about 1 foot high, and forming dense bushes which, from May until frost, are completely hidden with flowers. As pot-plants they are a mass of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a hotbed.

Semperflorens Type

Winter Romance. Light green foliage and rich carmine-scarlet flowers. Seed sown in July will flower at Christmas; in November, it will bloom Mother's Day. Kept in a cool temperature, it will produce larger and more brilliant blooms.

White Winter Romance. Like above, but pure white.

Each, pkt. \$1.50, 3 pkts. \$4

Knaake's Fire. Scarlet. 6 in.

Glut (Glow). Dark red. 6 in.

Striegau. Fiery carmine. Flowers up to 2 1/2 inches across. 10 in.

Above 3 sorts, pkt. 50 cts., 3 pkts. \$1.25

Christmas Cheer. Flowers attain a diameter of 2 inches, plants being covered with them. The color is bright cherry-red. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$3.50.

Christmas Pink. Same as above, except in color, which is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$3.50.

Erfordii. Rosy carmine. Green foliage. Pkt. 15 cts., 2 pkts. 25 cts.

Rosabella. Rose-pink. 6 in. Pkt. 25 cts.

Triumph. Pure, glistening white. Pkt. 15c.

Dwarf Vernon. Bright orange-carmine. Pkt. 20 cts., 3 pkts. 50 cts.

Gracilis Type

Primadonna. Carmine-rose. Brown-tinted foliage.

Bonfire. Scarlet. Metallic brown foliage.

Luminosa. Brilliant dark scarlet. Very effective.

Each, pkt. 25 cts., 5 pkts. \$1

Luminosa compacta. Scarlet-red flowers in great profusion. 5 in. Pkt. 50 cts., 3 pkts. \$1.25.

Tuberous-rooted Type

Grows indoors and out (during summer).

Single, Mixed. Double, Mixed.

Each, pkt. 25 cts., 5 pkts. \$1



Daisy (*Bellis perennis*)



Calendula, Campfire

BOLTONIA (False Chamomile)

Perennial. Daisy-like flowers from July to September. 4 to 6 ft.

Latisquama. Lilac-pink. Pkt. 10 cts.

BRACHYCOME (Swan River Daisy)

Annual. Dwarf plant covered during the summer with a profusion of flowers.

Blue Star. Pkt. 15 cts., 1/4 oz. 75 cts.

Red Star. Pkt. 15 cts., 1/4 oz. 75 cts.

White Star. Pkt. 15 cts., 1/4 oz. 75 cts.

BROWALLIA (Amethyst)

Annual. Beautiful rich blue flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. Dark blue, white eye. 10 in. Pkt. 25 cts.

Speciosa major. Large; violet-blue. Pkt. 25 cts.

CALCEOLARIA

Greenhouse Biennials and Bedding Plants

S. & W. Co.'s Giant Strain. This is grown by an English specialist, and is, in our opinion, the finest obtainable. For greenhouse growing. Pkt. 50 cts., 3 pkts. \$1.25.

Albert Kent. Immense trusses of individual flowers 1 1/2 inches across. They are bright golden yellow with a rich maroon-red blotch. Although an indoor sort, it may be planted outside in a sheltered situation. Pkt. 25 cts., 5 pkts. \$1.

Feltham Scarlet. Fairly dwarf and compact. The dark scarlet flowers make a glorious show in the greenhouse or a sheltered position in the open. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Golden Tiger. Small yellow, brown-spotted flowers in great profusion. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Indian Prince. Bright orange-scarlet flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Rugosa, Mixed Varieties. Shrubby; for bedding. Pkt. 50 cts., 3 pkts. \$1.25.

CALENDULA (Pot Marigold)

Annual. Sow in the open in spring, or earlier indoors, and transplant. Invaluable for growing under glass during winter.

New Double Art Shades. A mixture of colors that hitherto have been unobtainable: pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen, and a full yellow center. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Radio. The florets are beautifully quilled and the flower is very globular in shape. In color it is a warm, deep yellow. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Chrysantha. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Orange Fantasy. See page 7. Pkt. 35 cts., 3 pkts. \$1.

Orange Shaggy. Florets overlap and flowers look like a chrysanthemum. Deep orange. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Golden King. Rich golden yellow.

Lemon King. Rich lemon-yellow.

Orange King. Deepest orange.

Above three, pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; 1/4 oz. each of above 3, \$1

BALL'S STRAIN CALENDULAS

Ball's Orange Improved.

Ball's Gold Improved.

Ball's Apricot.

Ball's Masterpiece.

Ball's Supreme.

Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

Mixed Calendulas. All colors from near white to deep orange. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

CACALIA coccinea (Tassel Flower; Flora's Paint-Brush). Annual. Bright red, tassel-shaped flowers. 1 1/2 ft. June-Sept. Pkt. 10 cts., 1/4 oz. 50 cts.

CACTI SEED. Sow this interesting novelty thinly, in porous soil, under glass or in the home; and later, transplant into individual pots. Mixed varieties. Pkt. 25 cts., 5 pkts. \$1.

CALANDRINIA grandiflora. Annual. Light purple flowers with yellow stamens. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

CANARY-BIRD FLOWER

Tropaeolum canariense

Annual Climber. A rapid-growing, tall, climbing plant, producing hundreds of its pretty, fringed bright yellow flowers. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

CARDINAL CLIMBER (*Ipomoea Quamoclit cardinalis*). A rapid-growing, half-hardy annual climber, often reaching 30 feet. Fern-like foliage and cardinal-red flowers, 1 1/2 inches in diameter, and borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.



Annual Calliopsis

CALLIOPSIS and COREOPSIS

Sow seed where intended to bloom in early spring; thin out to 6 inches apart. Gather flowers freely, as doing so prolongs the blooming season until autumn.

ANNUAL CALLIOPSIS

The Sultan. Very large flowers of a rich maroon-crimson. 1 to 1 1/2 ft.

***Gold Crest.** Rich golden yellow, chestnut-brown center. 1 ft.

***Crimson King.** Crimson-garnet. 10 in.

***Marmorata.** Golden yellow and red. 2 ft.

***Tiger Star.** Rich reddish brown, tigered with golden yellow. 10 in.

***Niger speciosa.** Large, rich reddish brown flowers. 2 ft.

***Bicolor nana.** Yellow, garnet eye. 10 in.

Golden Ray. Rich maroon flowers edged golden yellow, twisted like the cactus dahlia. 9 in.

Tinctoria. Bright yellow and maroon. 2 ft.

S. & W. Co.'s Mixture. A select mixture of tall varieties.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, 6 marked *, 50 cts.

Golden Crown. See page 7. Pkt. 50 cts., 3 pkts. \$1.25.

PERENNIAL COREOPSIS

Grandiflora. Deep golden yellow, cup-shaped flowers, on fine stems for cutting. 2 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Grandiflora, Double Sunburst. Brilliant deep golden yellow flowers, 80 per cent of them fully double and 3 1/4 inches across. Excellent for cut-bloom. 2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Lanceolata grandiflora. Golden yellow. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Mayfield Giant. The plant is more vigorous than the type, with larger flowers on longer stems, and the color is more intense yellow. 3 1/2 ft. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

CATANANCHE

Bicolor. Perennial. Blue and white. 3 ft.

Cærulea. Perennial. Blue. 3 ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.



FOUR Quick-Flowering COSMOS

Price of each variety, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Special Collection Offer: ONE PACKET EACH OF THE ABOVE 4 COLORS **50c**

All are of the easiest culture, are handsome garden subjects for flower-beds or borders, and are among our most valuable cut-flower plants.

CRIMSON EXPRESS. Deep crimson hue.

PINK EXPRESS. Clear rose-pink.

WHITE EXPRESS. Pure satiny white.

The Express sorts grow 30 inches high; they produce flowers within 45 days of sowing seed.

ORANGE FLARE. Dazzling orange-yellow.

Orange Flare is about 3½ feet high, and takes only about 60 days in which to develop flowers from seed.



Collection

50c

FOUR OUTSTANDING MARIGOLDS

Brilliant; Easy to Grow; Splendid Cut-flowers

1. Josephine. 3 ft. Pkt. 15c, 1/4oz. 25c, oz. 75c. 3. Guinea Gold. 2 1/2 ft. Pkt. 15c, 1/4oz. 50c, oz. \$1.50
2. Harmony. 1 ft. Pkt. 15c, 1/4oz. 50c, oz. \$1.50. 4. Yellow Supreme. 2 1/2 ft. Pkt. 15c, 1/4oz. 50c, oz. 1.50

COLLECTION: 1 pkt. each 4 varieties 50c, 1/4oz. each \$1.50, oz. each \$5

The Annual Carnation Is Beautiful—and of the Simplest Culture



Carnations

CARNATIONS

Annual Varieties

GIANT DOUBLE KING. Seed may be sown outdoors when cold weather has gone, or, for earlier bloom, they may be sown in a frame, a greenhouse, or in a sunny window. Plant out the seedlings 6 inches apart, and from midsummer until frost you will have Carnations that are full and sweetly perfumed and medium large. You may remove side-buds so as to allow one flower on a stem at a time.

Maroon King	White King
Rose King	Yellow King
Pink King	Red King

Mixed, All Colors

Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.

ENFANT DE NICE. The plants are of robust, upright habit, with large, strong stalks bearing flowers 2 1/2 to 3 inches in diameter. This strain is magnificent and is, thus far, the last word in annual Carnations. The color comes about 75 per cent true from seed, and the plants are about 90 per cent double.

Red	Salmon	White
Rose	Striped	Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

Chabaud's Everblooming. Blooms in five months after being sown, and continues to flower in the greatest profusion. Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Mixed Marguerite Carnations. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Perennial Varieties

Double Border, Dwarf Grenadin

An early type of hardy perennial Carnations, with large flowers. Height 14 inches.

King of the Blacks	Yellow
White	Rose Queen
Scarlet	Mixed

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

Feathered Carnations. Flowers 2 1/2 to 3 inches across, pleasingly feathered and fringed, on 15-inch stems. Mixed colors only. Pkt. 75 cts., 3 pkts. \$2.

Carnations by Allwood. Originator's Packs of Perpetual-flowering and Perpetual Border Carnations. Each, 50 cts. See page 8.

CAMPANULA

Canterbury Bells

Campanula Medium

Biennial. Should be sown from June to September; when strong enough, transplant 9 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

Single White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Dwarf Bedding, Mixed. A really dwarf, compact type; splendid for bedding. Pkt. 35 cts., 3 pkts. \$1.

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden as soon as danger of frost has passed, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 5 varieties, 60c.

Cup-and-Saucer Bells

Campanula calycanthema

Large, single flowers with colored calyx, resembling a cup and saucer.

White, Rose, Strawberry-Red, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Largely used for edging. Flowers of deep blue all summer. 6 in. Pkt. 15 cts., 1/4oz. \$1.

Carpatica alba. The white form of the above. Pkt. 15 cts., 1/4oz. \$1.

Collina. Beautiful blue bells in May on this 8-inch rock-garden plant. Pkt. 50 cts., 3 pkts. \$1.25.

Fragilis. A trailing plant with pale purplish blue, white-centered flowers. Pkt. 25 cts., 5 pkts. \$1.

Garganica. A lovely trailing rock-plant. Delicate pale blue. Pkt. 25 cts., 5 pkts. \$1.

Persicifolia grandiflora, Blue (Peach Bells). Grows 2 to 3 feet high, with large, blue flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Persicifolia grandiflora alba. The white form of the above. Pkt. 20 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Persicifolia grandiflora, Telham Beauty. Large flowers of delicate china-blue; within the bells is a beautiful silvery shading. 4 ft. Pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

Persicifolia grandiflora, Telham Beauty White. Large, pure white flowers. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Erect, pyramidal plant with beautiful blue flowers. 4 ft. Pkt. 15 cts., 1/4oz. \$1.

Pyramidalis, White. Pkt. 15 cts., 1/4oz. \$1.

Rotundifolia, Olympica. A variety of the Harebell or "Bluebells of Scotland." Light blue flowers the entire season. Does well in shade. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

CANDYTUFT (*Iberis*)

Popular fragrant plant for bedding or border work. Sow outdoors in April, where it is to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Best results can be obtained by spacing the plants at least a foot apart.

Giant Hyacinth-flowered White. Tall. A fine white annual variety. The flowers are of large size, borne in large trusses well above the foliage. For cutting or the border. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

Miniature Hyacinth-flowered

The Gem. The trusses of large flowers are pushed above the plant, as in the Hyacinth-flowered type, but the entire plant is only 4 inches high. Pure white. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf variety, suitable for edging, bedding, and for growth in the annual border.

Carmine	Lavender
Rose-Cardinal	Crimson
White	Flesh-Pink

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Perennial Candytuft

Gibraltarica. White, shaded pink. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Sempervirens. White flowers. Evergreen. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

CASTOR-OIL PLANT

Ricinus

Annual. Tall, stately-growing tender plants of tropical appearance.

Africanus. Very large green foliage.

Zanzibarensis. Giant type from Africa.

Borboniensis arboreus. Green foliage. 15 ft.

Communis. Green foliage. 6 ft.

Cambodgensis. Leaves bronzy maroon; red veins; stems black.

Duchess of Edinburgh. Dark red foliage. 6 ft.

Sanguineus. Tricolor, red spotted. 10 ft.

Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.

CEPHALARIA

Alpina. Perennial. For planting at the back of the border or to hide fences. Yellow, scabious-like blossoms on long stems. A striking plant and valuable for cut-flowers. 5 ft. July. Pkt. 25 cts., 5 pkts. \$1.

CERASTIUM

Tomentosum. Perennial. Pretty, dwarf, white-leaved edging plant. Small white flowers. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

CHELIDONIUM

Yellow Queen. Biennial. An attractive plant, 4 to 5 feet high, with gray-green, cut foliage, somewhat resembling that of meconopsis. The flowers, of a beautiful butter-yellow, are produced freely. Pkt. 50 cts., 3 pkts. \$1.25.

Double Blue Cornflowers Are Favorite Flowers Everywhere



Celosia, Pride of Castle Gould

CELOSIA ANNUAL

Celosia cristata (Cockscomb)

Free-blooming plants, growing best in light soil. Grand border plants, and they are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or may be sown outdoors in May. 1 ft.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Golden Yellow. A rich shade.

Rose. A fine deep pink.

Each, pkt. 15 cts., 1/4oz. \$1

Dwarf Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Celosia plumosa

Feathered Cockscomb

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets.

Ostrich-plume, Crimson.

Ostrich-plume, Yellow.

Ostrich-plume, Mixed.

Each, pkt. 10 cts., 1/4oz. 50 cts.

Celosia plumosa, Heatherdell

Wonderful colors and a compact growth are the outstanding features of this Celosia. Specially suitable for greenhouse culture.

Golden Feather. Yellow.

Fiery Feather. Red and pink shades.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

Celosia Thompsoni magnifica

Improved Strain of Feathered Cockscomb

Of pyramidal growth, often attaining the height of 3 feet, and producing graceful, feathery plumes of the most magnificent shades.

Crimson. Bright crimson.

Yellow. Beautiful yellow.

Each, pkt. 15 cts., 1/4oz. \$1

Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Celosia Childsi (Chinese Woolflower)

This is a unique form of the Feathered Cockscomb, growing 2 to 3 feet high. Each branch is terminated with a large head of flowers that seem to be made out of some silky wool material. Very effective for beds, borders, or cut-flowers.

Crimson. Very rich color.

Pink. Dark pink.

Yellow. Light gold.

Fine Mixed.

Each, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50

Celosia pyramidalis, Pride of Castle Gould

A distinct type and surpassing by far anything yet on the market. The compact, pyramidal plants grow from 2 to 3 feet high, with immense feathered heads of all colors: Blood-red, Wine-red, Scarlet, Carmine, Salmon, Orange, and Gold.

Mixed Shades. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

CHELONE (Turtlehead)

Perennial. Decorative plant; fine for cutting.

Barbata coccinea. Red. Summer. 3 ft.

Barbata Torreyi. Coral-red. Summer. 3 ft.

Each, pkt. 10 cts., 1/4oz. 50 cts.

Barbata Hybrids, Mixed. Shades of pink, rose, carmine, and violet. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.



Centaurea imperialis

CHEIRANTHUS

Biennial and perennial sorts, blooming first year

Allioni (Siberian Wallflower). Beautiful little early-flowering perennials, with orange flowers, for the rock-garden or as a dwarf border plant. Will bloom throughout the summer if seed-pods are removed. May be sown in a hotbed in March and transplanted outdoors in May; or in the open ground in September, where required to flower the following spring. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Allioni, Golden Bedder. Deep golden yellow flowers larger than the type. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Kewensis (Greenhouse Wallflower). Valuable, half-hardy, hybrid Wallflower for growing under glass. The flowers are light yellow on opening and change to mauve when more mature. The plants are freely branched, each stem carrying a long spike of flowers. 2 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Linifolius. For rock-gardens. Covered with mauve flowers. 9 to 12 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

CHERRY, JERUSALEM. See Solanum.

CHINESE LANTERN. See Physalis.

CENTAUREAS

Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor

There is, perhaps, no more popular plant than the annual Centaurea. Will grow well anywhere and is an excellent cut-flower.

Double Cornflowers

Centaurea Cyanus

Improved varieties

Seed may be sown outdoors in April, and several sowings will give a succession of bloom. For best results, thin out plants to stand 8 inches apart. *Annuals.*

Blue

Maroon

Rose-Pink

Mauve

White

Rosy Red

Mixed

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Jubilee Gem. Double blue flowers cover the bushy plants. All-America Winner, 1937. The best Cornflower. 1 ft. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50, oz. \$5.

Giant Sweet Sultans

Centaurea imperialis

Valuable for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems. Sow for succession from May until July. *Annuals.*

White. Large and sweet-scented.

Pink. With tinge in center.

Purple. Brilliant rosy purple.

Lilac. Beautiful lilac.

Red. New. Deep amaranth-red.

Yellow (*Suaveolens*). Bright yellow.

Mixed. A select mixture of above colors.

Each, pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Various Centaureas

Americana. *Annual.* Flowers 4 inches across and of a deep lavender color. Excellent for garden decoration or cutting. 3 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Americana alba. *Annual.* White form of the above. Pkt. 15 cts., 1/4oz. 60 cts.

Dealbata. *Hardy Perennial.* Rose-pink. Pkt. 20 cts., 1/4oz. \$1, oz. \$3.50.

Macrocephala. *Hardy Perennial.* Large, thistle-like, golden yellow flowers, useful for cutting and fine for the hardy border. 3 1/2 ft. July, Aug. Pkt. 10 cts., 1/4oz. 50c.

Montana (*Perennial Cornflower*). *Hardy Perennial.* Large, violet flowers. 2 ft. July-Sept. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Montana alba. *Hardy Perennial.* White form of the above. Pkt. 15 cts., 1/4oz. 60c.

Dusty Millers (Foliage plants)

For edging beds or borders. The glistening white, contrasted with the bright color of the coleus, salvia or red canna, is very striking.

Candidissima. *Annual.* Foliage lanced and silver coated. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Gymnocarpa. *Annual.* Leaves fern-like; a trifle taller than above. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

A VALUABLE BOOK

Garden Encyclopedia. Written by American horticultural experts. A complete reference: 1400 pages, 750 illustrations, including 250 photographs. A single volume that gives you as much help as a shelf of garden books. Cloth \$4.

We Have the Finest Strains of Cineraria and Other Greenhouse Plants

CHRYSANTHEMUMS

Annual Varieties

Splendid for beds or cutting. Daisy-like flowers on strong stems, July-Oct. Average height 2 ft.

- ***Eldorado.** Large, single, deep yellow flowers with a ring of reddish brown.
- ***Burridgeanum** (Beaconsfield). White petals, zone of rich brownish red and yellow.
- ***Chameleon.** The colors vary, but generally are brown and yellow.
- ***Eastern Star.** Clear yellow petals with dark disc.
- ***Evening Star.** Yellow petals, dark disc.
- ***Morning Star.** Petals canary-yellow, with a halo of deeper yellow, disc darker.
- ***Northern Star.** Flowers 3 in. in diameter; white, with yellow-brown center.
- ***The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. 8 colors marked (*), 60c.

Yellowstone. Fine double and semi-double bright yellow flowers in about ten weeks from sowing. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Gold Queen. Double; golden yellow. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

White Queen. Double; pure white. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Blaze. See page 7. Pkt. 50 cts., 3 pkts. \$1.25.

Golden Crown. See page 7. Pkt. 50 cts., 3 pkts. \$1.25.

Single Annual Varieties, Mixed. Choice mixture. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Double Annual Varieties, Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Perennial Chrysanthemums

Mawi. Pink flowers 2 inches across. Silvery foliage. Ideal for the hardy border or rockery. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Double Anemone-flowered. Will flower six months from sowing. Many of the flowers measure 2 to 3 inches across and include all colors, and about 30 per cent are double. An admirable greenhouse subject and a valuable outdoor sort when sown under glass in February or earlier. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Korean Chrysanthemums. Mixture of very brilliant colors. Flowers are single, and many are large. New. Pkt. 50 cts., 3 pkts. \$1.25.

Shasta Daisies PERENNIALS

Mrs. C. Lothian Bell. A very large Daisy which has produced flowers 6 inches across. Blooms a month later than the well-known variety, Alaska, hence the two sorts may well be planted for a succession of bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant Double. An assortment of doubles, semi-doubles, and a type which, though single, forms beautifully shaped flowers, with lacinated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

Alaska. Popular variety, with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15c., 1/4oz. 50c.

CIMICIFUGA cordifolia. Perennial. Graceful spikes of small white flowers. 3 ft. Sept., Oct. Pkt. 50 cts., 3 pkts. \$1.25.

CINERARIA

Greenhouse Annual. Sow May-Sept. and endeavor to secure as sturdy a growth as possible. Transfer direct from seed-pans to thumb-pots; place in coldframe facing north. As pots become full of roots, shift to larger ones until flowering size is reached.

Cremer's Prize Strain. Flowers are large and color-range exceptionally fine. The florets are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. Exceptionally resistant to wilt. Pkt. \$2, 3 pkts. \$5.

California Super-Giants

Prize Cinerarias, grown for us by a famous specialist. Produce numerous individual flowers, exceeding 5 inches in diameter, with petals 1 to 1 1/4 ins. wide, on large trusses.

Blue Shades.

Crimson and Carmine Shades. Especially brilliant under artificial light.

Salmon Shades.

Mixed. All the above in pleasing proportion.

Each, pkt. 50 cts., 3 pkts. \$1.25

S. & W. Co.'s Stellata. Has delicate, star-like blooms in great profusion on long stems. **Tall and Dwarf Mixed.** Each, pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Potsdam. An extra-choice, dwarf-growing strain with the plants completely covered with brightly colored flowers.

Cerulea. Sky-blue.

Rose.

Azurea. Dark blue.

Mixed.

Crimson.

Each, pkt. 50 cts., 3 pkts. \$1.25

Matador. A new large-flowering, deep scarlet; adds brilliance to a collection. Pkt. 50 cts., 3 pkts. \$1.25.

CHORIZANTHE Palmeri (Oriental Rug).

Annual. Easily grown plant for the rock-garden, or edging for the annual border. Produces a mat of thousands of small, statice-like pink flowers. 8 in. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.



Shasta Daisies

COSMIDIUM

Crown of Gold. *Annual.* Daisy-like, orange and yellow flowers. Sow where the plant is to grow, thin to 6 inches or more apart. June-Oct. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

CLARKIA

Annual. Sow in the open ground in May, or earlier under glass; transplant seedlings when frost is over. The plants should stand at least 6 inches apart.

Dazzler. New bright orange-scarlet sort for bedding. Pkt. 35 cts., 3 pkts. \$1.

Albatross. The flowers are pure white, very double, and appear in July. 1 ft. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

Glorious. Dark foliage and stems are capped by an abundance of brilliant cherry-scarlet blossoms. Pkt. 25 cts., 1/4oz. \$1.

May Blossom. Pure glowing rose, deepening to pink. Free flowering with enormous blossoms. Pkt. 15 cts., 1/4oz. 35 cts.

Double Sorts

Salmon Queen.

Scarlet King.

Brilliant King. Crimson.

White King.

Purple King.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 5 colors, 35c.

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

CLEOME (Spider Flower)

Gigantea. *Annual.* Singular-looking, rose-colored flowers; the stamens look like spiders' legs, and present a very attractive appearance. Sow seed outdoors in May and thin out to stand 2 feet apart. 3 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

COBAEA (Cup-and-Saucer Vine)

Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or April, or outdoors in May.

Scandens. Large bell-shaped purple flowers. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Scandens alba. White. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

COLEUS thyrsoideus. Conservatory flowering plant with light blue flowers and green foliage. Pkt. \$1, 3 pkts. \$2.50.

C., Rainbow Hybrids. Bedding foliage plant with leaves of all colors; in mixture. Pkt. 50 cts., 3 pkts. \$1.25.

COLUMNEA. Hanging-basket plants for the greenhouse. Scarlet and gold flowers on 2 1/2-ft. branches.

C gloriosa. Brown foliage.

C. hirta. Green foliage.

Each, pkt. 75 cts., 3 pkts. \$2

COLLINSIA

Salmon Beauty. *Annual.* Bright, cheerful, salmon-colored blossoms. Sow in the open ground in early spring. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CUPHEA (Cigar Plant)

Platycentra. *Treat as an Annual.* Pretty, half-hardy plant with tube-shaped, scarlet flowers. Pkt. 25 cts., 5 pkts. \$1.

Firefly. See page 8. Pkt. 50 cts., 3 pkts. \$1.25.

CINQUEFOIL. See Potentilla.

CLARY. See Salvia.

COLUMBINE. See Aquilegia.

CONEFLOWER. See Rudbeckia.

CONVOLVULUS. See Ipomœa.

CORNFLOWER. See Centaurea.

CORNFLOWER ASTER. See Stokesia.

No Need Waiting Until Autumn for Cosmos—Sow Express Kinds



New Double-crested Cosmos

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed $\frac{1}{4}$ inch, and thin out or transplant to not less than $1\frac{1}{2}$ feet apart.

Early Orange Flare. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. See page 19. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Lady Lenox. Giant flowers of beautiful deep rosy pink, with wide overlapping petals of splendid substance. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Lady Lenox, White. Similar to above, but white. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Early Express Type

See page 19

Crimson Express **Pink Express**
White Express **Mixed Express**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.

Sensation Type

See page 8

Pinkie. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Sensation Crimson. Pkt. \$1, 3 pkts. \$2.50.

Purity. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Sensation, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Early Dwarf, New Double-crested Type (Beauty)

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as early as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3 colors, 60c.

Late Single Tall, Mammoth-flowering Cosmos

This type of Cosmos, which has large flowers, blooms late in the summer—usually September in this latitude.

White **Crimson**
Pink **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 3 colors, 25c.

Late Double Tall Crested Type

This strain has been greatly improved in size of flower, greater degree of doubleness, and general vigor of the plant.

Pink **Crimson**
White **Mixed**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.

COTYLEDON simplicifolia. See page 8. Pkt. 50 cts., 3 pkts. \$1.25.

CYPERUS alternifolius (Umbrella Palm). Useful aquarium, pool and pot-plant. Tender perennial. 3 ft. Pkt. 25c., 5 pkts. \$1.

CYCLAMEN (*Giant-flowering*)

Greenhouse plants; one hardy sort. The following varieties are European-grown and were developed by one of the greatest specialists in this excellent pot-plant. Seed is usually sown in the autumn.

Dark Blood-Red.

Bright Red.

Pure Rose.

Soft Rose with Carmine Eye.

White with Carmine Eye.

Pure White.

Pkt. of 10 seeds 35 cts., 50 seeds \$1.50,
100 seeds \$2.50

Bonfire. Brilliant salmon.

Salmon-Scarlet (America Improved).

New Salmon-Rose Improved.

Salmon color, dark (Glory of Wandsbek).

Salmon color, light (Rose of Zehlendorf).

Orange Beauty. Orange-vermilion. Extra.

Rokoko erecta, Mixed.

Morning Red.

Saffron-Red.

Saffron-Red, Silver edged.

Striata, Mixed.

Lavender.

New Ruffled, Mixed.

Pink Pearl. (Novelty.) Salmon-pink.

Pkt. of 10 seeds 50 cts., 50 seeds \$2,
100 seeds \$3.50

Mixed. All varieties. Pkt. of 10 seeds 25 cts., 50 seeds \$1, 100 seeds \$1.75.

Hardy Cyclamen (*europaeum*)

For the Rock-Garden and Perennial Border

Stiles' Strain of Long-Island-grown seed produces hardy little plants of this ever-blooming and almost evergreen subject. The bright red flowers are fragrant and are on scapes 4 to 5 inches high. Seed should be sown in spring or late summer. The plants should be in partial shade. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

CYNOGLOSSUM

Chinese Forget-me-not; Hound's-Tongue

Amabile. *Annual.* A highly perfumed plant of easy culture, suitable for bedding and cut-flowers. 20 in.

Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CYPRESS VINE (*Ipomoea Quamoclit*)

Annual Climber. Popular climber with delicate fern-like foliage and masses of small, star-shaped flowers. Sow outdoors in May. 15 ft.

Crimson **Rose**
White **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

CUCUMBER VINE. See Echinocystis.

DAHLIA

Tender Perennial; treat as an Annual. Seed is best sown in March under glass, although flowers may be obtained in late summer by sowing outdoors in May.

Dwarf Bedding. Bloom in less than four months after sowing seed, and embrace a most charming color-range, no two plants being exactly alike. In the main, their form is semi-double. They may be planted 18 to 20 inches apart as they rarely exceed 24 inches in height. Make fine cut-flowers. June to first frost. **Mixed**, pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Coltness Hybrids. (Single.) Neat, compact plants, averaging about 18 inches high, and comprising a beautiful range of colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Starfish (Orchid-flowered). The florets of this single Dahlia are crimped and twisted, giving a star-like effect, and its long stems make it excellent for cutting. All colors are represented in these hybrids, generally two shades in the one flower. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Giant Peony-flowered, Mixed. Saved from finest blooms. Pkt. 35 cts., 3 pkts. \$1.

Cactus, Mixed. Saved from a choice collection. Pkt. 50 cts., 3 pkts. \$1.25.

Double-flowering Exhibition Strain, Mixed. Saved from fine Show sorts. Pkt. 50 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

DAISY. See Agathæa, Arctotis, Bellis, Brachycome, Chrysanthemum, Dimorphotheca, Erigeron, Felicia, Gerbera, Pyrethrum, Tahoka Daisy.

DATURA

Cornucopia (Trumpet Flower). *Annual.* The delightfully fragrant flowers average 8 inches long by 5 inches across and are French white inside and purple outside. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

DIASCIA

Barberæ. *Annual.* Dainty, spurred flowers, $\frac{7}{8}$ inch in diameter and of a soft salmon-rose, are freely produced in sprays on wiry stems. 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

DICTAMNUS (*Gas Plant*)

Fraxinella alba. *Perennial.* White flowers during June and July. $2\frac{1}{2}$ ft. Pkt. 15 cts., 2 pkts. 25 cts.

Fraxinella rubra. *Perennial.* Pink, otherwise same as above. Pkt. 15 cts., 2 pkts. 25 cts.

DIDISCUS (*Queen Anne's Lace Flower*)

Cærulea. *Annual.* Upright, branched plant about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. It is easily grown and a splendid cut-flower, lasting unusually long in water. Seed may be sown outdoors in May in a well-prepared seed-bed; water copiously during hot weather. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Our Strain of Gold Medal Delphiniums Is Especially Choice

Stately Delphiniums PERENNIALS



Still life, Delphinium, Madonna Lilies and Pyrethrum. Prize-winning photo submitted by E. W. Meyer, Reedsburg, Wis.

GOLD MEDAL HYBRIDS

These produce immense spikes of blooms in a variety of colors. We recommend them to the specialist grower.

Delft Blue Shades. True mid-blues, including Cambridge-blue.

Royal Art Tints. A mixture of lavenders, mauves, and blue-grays.

Salon Blue Shades. Rich dark blue shades.

Wave Crest Blue Shades. Delicate and charming mixture of pale and light blues.

Each, pkt. 50 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

COLLECTION: Pkt. each, above 4 shades, \$1.50

GOLD MEDAL HYBRIDS, Mixed. This

Mixture is prepared so as to give our patrons all the best colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Giant Pacific Strain. See page 8

Light Blue Shades Dark Blue Shades
Mixture of Blues

Each, pkt. \$1, 3 pkts. \$2.50

English Named Hybrids, Mixed

Giant-flowering Type. This mixture consists of varieties such as Harry Smetham, Joan, Millicent Blackmore, Smoke of War, Lorenzo de Medici, Statuaire Rude, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Wrexham or Hollyhock Type. This mixture contains the following varieties: Cambria, Great Strides, The Bishop, Wales, Jenny Jones, Norah Phillips, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Some Fine Varieties

New Hollyhock Strain. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double, are well placed on long, pyramidal spikes. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Belladonna (Everblooming Hardy Larkspur). Clear turquoise-blue flowers, unequaled for delicacy and beauty. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Clivedon Beauty (Improved Belladonna). Larger flowers and a stronger-growing plant are the advantages of this strain. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Bellamosa. Similar to the above except in color which is a beautiful shade of dark blue. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Cardinale. A very beautiful cardinal-scarlet. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Chinense, Blue Butterfly. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Chinense, Cambridge Blue. Clear, rich light blue. Excellent for mass planting or for cut-bloom. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Chinense album. White form of Chinense. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Snowdrift. A beauty belonging to the Elatum class. Bears long spikes thickly crowded with large, pure white blooms. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Nudicaule, Lemon Gem. Fine light yellow. $1\frac{1}{2}$ ft. Pkt. 25 cts., 5 pkts. \$1.

Single Annual Dianthus, continued

Laciniatus (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Queen of Holland. Beautiful white. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Salmon Queen. Fringed flowers of brilliant salmon. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Vesuvius. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

Mixed. Annual Sorts. Large flowers in succession the whole season. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, 10 choice Dianthus, 5 named Double and 5 Single sorts, 75 cts.

Hardy Garden Pinks

Many are famous introductions by Allwood Bros. of England, as noted.

Delight. *Hardy Perennial.* Blooms June to October, producing a profusion of flowers about half an inch in diameter. It has a range of color running from palest pink to the deepest purple and velvety rich reds. 9 in. Allwoods' sealed pkt. 50 cts.

Loveliness. *Biennial.* Two-inch, perfumed, mauve, lacerated flowers. Sow in winter under glass, spring and summer outdoors. Blooms in seven months. Allwoods' sealed pkt. 50 cts.

Highland Hybrids. *Hardy Perennial.* Ideal for rock-gardens and for the front of the hardy border. Practically perpetual flowering and the colors are very varied.

Mixed. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Sweet Wivelsfield. *Biennial.* Ordinarily is sown in July to flower the following year; if sown indoors during February, however, it will bloom the same year. Fringed, sweet-william-like flowers from July to frost.

Single Mixed. U. S.-grown seed, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25. Allwoods' sealed pkt. 50 cts.

Double Mixed. U. S.-grown seed, pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$2. Allwoods' sealed pkt. 50 cts.

Little Jock. *Hardy Perennial.* This is a mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. 6 to 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Allwoodi. *Hardy Perennial.* Combines the qualities of the Carnation with the delicious clove scent of the Pink. Adaptable for gardens, and pot-culture in conservatories.

Single Mixed. U. S.-grown seed, pkt. 25 cts., 5 pkts. \$1, Allwoods' sealed pkt. 50c.

Double Mixed. Allwoods' sealed pkt. 50c.

Deltoides. *Perennial.* Rosy purple. Invaluable for the rock-garden. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Plumarius, Double Mixed. *Perennial.* Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Plumarius, Single Mixed. *Perennial.* Large, fragrant, fringed flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Scotch or Florists' Pinks. *Perennial.* Flower profusely during spring and early summer. The perfumed flowers are large, double, fringed. **Mixed.** All colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Rock-Garden Rare Species, Mixed. *Perennial.* A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

DIANTHUS Knappi (The Yellow Dianthus). *Perennial.* Bears small yellow blossoms in bunches. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Other Dianthus in Allwoods' Packets

Dianthus Allwoodi alpinus. Each, 50 cts.

Dianthus, New Blue. Each, \$1.

These are described on page 8

Jewel-Like Dianthus (Pinks)

Seed is sown in the open when frost is past, and flowers are produced in a few weeks' time, continuing until frost. They average 1 foot in height and are splendid for borders and for cutting. Many are fragrant.

Double Annual Varieties

Chinensis (China Pink). Double flowers in a mixture of colors. Pkt. 10c., $\frac{1}{4}$ oz. 25c.

Diadematus (Double Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Heddewigii fl.-pl. (Double Japan Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Lucifer. Brilliant orange-scarlet, fringed flowers about 2 inches across. Very dazzling. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Double Annual Varieties, continued

Salmon King. Brilliant salmon-rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Snowball. One of the finest for cutting. The plants are excellent for beds or borders. Large, double, white flowers. Give it rich soil and an abundance of sunshine. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Violet Queen. Rich violet—rather unusual shade. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Single Annual Varieties

Crimson Belle. Rich crimson. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Eastern Queen. Delicately marbled rose and mauve flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25c.

Heddewigii punctatus (Princess Pink). The flowers remind one of Old-World Chintz. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

For a Charming Effect, Sow the Dainty California Poppies

DIGITALIS (Foxglove)

Perennial. Extensively used for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, including partial shade; blooms during June and July.

Giant Shirley. Vigorous plants, with huge spikes of bloom ranging in color from the purest white to dark rose, handsomely spotted and blotched. 6 ft. Pkt. 15 cts., 1/4 oz. 75 cts.

Gloxiniæflora. Improved strain of the ordinary Foxglove, with handsome, spotted gloxinia-like flowers on long spikes.

Alba. White ground.

Purpurea. Purple ground.

Rosea. Rose ground.

Lutea. Yellow ground.

Mixed.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

Monstrosa. Long spikes surmounted by one enormous flower. **Mixed.** All colors. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

DIMORPHOTHECA

African Daisy

Yellow Gem. *Annual.* The flowers are pure bright yellow, without zone or eye. Excellent for bedding, for edging, or for the rock-garden, where it will produce a wealth of brightness all summer. Of easy culture. 6 in. Pkt. 35 cts., 3 pkts. \$1.

Aurantiaca Hybrids. *Annual.* Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Ringens, Single. *Annual.* Grayish white flowers with a blue center. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Aurantiaca. *Annual.* Golden orange. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Salmon Beauty. *Annual.* Large flowers of a pleasing true salmon shade. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

White Beauty. *Annual.* A white form of the above. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Orange Glory. See page 8. Pkt. 50 cts., 3 pkts. \$1.25.

DOLICHOS (Hyacinth Bean)

Annual. Rapid-growing climber. For covering arbors, trellises, etc. Sow the seed outdoors where the plants are to remain.

Daylight. Covered with spikes of snow-white, pea-shaped blossoms from July until late fall. Pkt. 10 cts., oz. 30 cts.

Darkness. Identical with the above, except color is purple-violet. Pkt. 10 cts., oz. 30c.

Lablab, Mixed. Pkt. 10 cts., oz. 30 cts.

DORONICUM (Leopard's Bane)

Caucasicum. *Perennial.* Handsome, yellow, daisy-like flowers, sometimes 2 to 3 inches across. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Pardalianches, Golden Bunch. *Perennial.* Bright yellow flowers in May and June. 2 1/2 ft. Pkt. 75 cts., 3 pkts. \$2.

DRAGONHEAD. See *Physostegia*.

DUSTY MILLER. See *Centaurea*.

ECHINOCYSTIS

Wild Cucumber Vine

Lobata. *Annual Climber.* Clean, bright green foliage with sprays of white flowers during July and August. Pkt. 10 cts., oz. 35 cts.



Globe Thistle

ECHINOPS (Globe Thistle)

Ritro. *Perennial.* Striking plants with handsome, silvery, thistle-like foliage and fine steel-blue flowers in round heads. 3 to 5 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

EDELWEISS. See *Gnaphalium*.

ERIGERON (Midsummer Daisy)

Double Azure Beauty. *Perennial.* The plants bloom so profusely that they are literally covered with double and semi-double, sky-blue flowers. Fine for cutting. 2 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. *Perennial.* Clear mauve, daisy-like flowers, with bright golden yellow centers. 1 1/2 ft. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

ERINUS

Alpinus. *Perennial.* Dainty little plant with pale purple flowers, suitable for the rock-garden, growing in the crevices of stone walls, etc. 2 in.

Alpinus, Magenta. *Perennial.* Brilliant magenta-red flowers. 6 in.

Each, pkt. 25 cts., 5 pkts. \$1

ERYNGIUM (Sea Holly)

Amethystinum. *Perennial.* Ornamental plants with finely cut, spiny foliage and beautiful, thistle-like heads of amethystine blue flowers. Fine for winter bouquets. 2 to 3 ft. Pkt. 15 cts., 1/8 oz. \$1.

Planum. *Perennial.* Steel-blue flowers. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts.

ERYSIMUM (Hedge Mustard)

Orange Beauty. *Annual.* Orange-yellow flowers a few weeks after seed is sown. 2 ft. Pkt. 10 cts., oz. 35 cts.

EVERLASTING FLOWERS

See *Acroclinium*, *Celosia*, *Globe Amaranth*, *Helichrysum*, *Honesty*, *Physalis*, *Rhodanthe*, *Statice*, *Xeranthemum*.

ESCHSCHOLTZIA

California Poppy

Annual. Sow in early spring where they are to flower, and thin to 6 inches apart.

Cherry Ripe. Deep bright cerise flowers, suffused terra-cotta at base. Semi-double. Makes a vivid picture. Pkt. 35 cts., 3 pkts. \$1.

Gloaming. Inside, the petals show a suffusion of deep rose and apricot on a yellow ground, while the outside is deep coral-rose. Pkt. 35 cts., 3 pkts. \$1.

Salmon Beauty. A double variety coming true from seed. The color is salmon. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Ramona Hybrids. Ruffled flowers in a wide variety of colors. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Golden Glory. See page 8. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

***Carmine King.** Beautiful carmine-rose.

Fringed Yellow. Pure yellow, petals cut and fringed.

***Geisha.** Golden orange inside, orange-scarlet outside.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Bright reddish purple. The darkest shade that has been obtained so far in *Eschscholtzias*.

***Scarlet Beauty.** Petals deep scarlet inside, lighter on outside.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius.** Rich glistening coppery red.

Choice Mixture. Covering all the colors in this pretty annual.

Each, pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 31 (6 varieties in all), 50 cts.

EUCALYPTUS citriodora. *Greenhouse Plant.* Lemon-scented leaves. Pkt. 25 cts., 5 pkts. \$1.

E. globulus (Blue Gum). Pkt. 15 cts., 2 pkts. 25 cts.

EUPATORIUM (Thoroughwort)

Perennial. Well suited for naturalizing and deserving a place in every hardy border.

Fraseri. Clusters of snow-white flowers, fine for cutting and bouquets. 1 1/2 ft. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1, oz. \$3.50.

Purpureum. Heads of purple-blue, daisy-like flowers. Aug. to Oct. 6 to 8 ft. Pkt. 50 cts., 1/8 oz. \$2, 1/4 oz. \$3.50.

EUPHORBIA

Variegata (Snow-on-the-Mountain). *Annual.* Foliage marked with white. 2 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Heterophylla (Annual Poinsettia). *Annual.* Resembles in color the beautiful hothouse Poinsettia. Branching, bush-like plants, with smooth, glossy green leaves which turn to a beautiful orange-scarlet. 2 1/2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Polychroma. *Hardy Perennial.* The yellow flower-leaves or bracts are most striking and are effective in April and May. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

EXACUM affine atrocæruleum. Useful annual for the conservatory or a sheltered sunny position outdoors. Numerous small, fragrant, dark lavender flowers. May be had in flower by July if sown in February. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

Gaillardias Are Among the Most Useful Cut-Flowers for Home Decoration

FELICIA

Kingfisher Daisy or Blue Marguerite

Bergeriana. Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are $\frac{3}{4}$ inch in diameter. Easily grown outdoors in summer or under glass at other times of the year, being then treated similarly to cineraria. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25.

FOUR O'CLOCK

Mirabilis; Marvel of Peru

Annual. Free-flowering plants. Called Four o'Clock because they open their blossoms at that hour.

Fine Mixed. All colors. 2 ft. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

FUCHSIAS

Greenhouse and Summer Bedding Plant. Interesting to sow seed, if you have a greenhouse, from January to March, and plant out in May. You will have flowers by July or August. This mixture contains white, lilac, pink, light and dark blue corollas.

Mixed. Pkt. 50 cts., 3 pkts. \$1.25.

BLUE GENTIANS

Perennial. Fine for the rock-garden or the mixed border, flowering from July to September, inclusive. Excellent also as pot-plants, and the commercial grower will find *Hascombensis* the more interesting from this standpoint. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

Hascombensis. Flowers of this lovely new variety are about $1\frac{1}{2}$ inches across and are of various shades of blue. $1\frac{1}{2}$ to 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Lagodechiana. Summer-flowering. Dark green, leathery foliage is topped with clusters of flowers which are $1\frac{1}{2}$ inches across, and their color varies from delicate light blue to dark true Gentian-blue. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

Acaulis. Desirable hardy alpine plant. Rich blue. 4 in. Pkt. 25 cts., 5 pkts. \$1.

GENISTA (Broom)

New Hybrids. Perennial. A variety of colors—all shades of terra-cotta, crimson, orange and orange-scarlet, buff-pink and terra-cotta-pink. Patience is necessary with this seed, as germination will be slow. Thereafter it is so rampant a grower that the plant reaches 4 to 5 feet two years after sowing. Pkt. 50 cts., 3 pkts. \$1.25.

GERANIUM (Pelargonium)

Greenhouse and Summer Bedding Plant. Many a fine house Geranium may be obtained from seed. We offer an interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

GREVILLEA (Silk Oak)

Robusta. Greenhouse Plant. Graceful foliage plant. 3 to 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Geum, Orange Queen

GAILLARDIA (Blanket Flowers)

Annual Varieties

Flowers are brilliant, and are borne in great profusion from July to November.

Amblyodon. Rich blood-red. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Aurea. Rich yellow. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Indian Chief. A fine bronze-red variety. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Picta Lorenziana. Mixture of various colors. The flowers are double. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

The Bride. Yellowish white, very double and excellent for cutting. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Perennial Varieties

Most may be treated as annuals. If sown early, they begin flowering in July, and continue until frost. Fine for cutting. 1 to 2 ft.

Mrs. Harold Longster. New. Large golden flowers, with crimson centers. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Burgundy. A new color—brilliant coppery scarlet self—and one that is of special value to the grower of cut-flowers for decoration. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Goblin. Especially suitable for the rock-garden, as it begins to bloom in the middle of the summer when color is most needed. The plants are completely covered with bright yellow flowers which have a deep red zone. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Both color and structure of the flower make them useful for modern decorations. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Grandiflora compacta. Bushy plants 12 to 15 inches high, bearing long-stemmed flowers well above the foliage. Mixture of brilliant colors. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Grandiflora, Copper-Red. Center rich crimson, canary-yellow border, the effect being that of coppery red. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Giant Hybrids. Many of the flowers are as large as sunflowers. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

GERBERA (Transvaal Daisy)

Jamesoni Hybrids. Half-hardy Perennial, needs protection over winter. Daisy-like plants, slender and graceful. They are well-known greenhouse subjects, but capable also of being grown in the open ground if the protection of a coldframe or heavy mulch is given the plants over winter. Mixture embraces many shades of red, cerise, salmon, orange, yellow, and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (Avens)

Double Orange Queen. Perennial. Color is midway between orange-scarlet and golden yellow. Very double. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Lady Stratheden. Perennial. Large; double; rich golden yellow. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Mrs. Bradshaw. Perennial. Large; double; brilliant orange-scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Atrosanguineum fl.-pl. Perennial. Bears large, showy, double, dark crimson flowers all summer. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

GILIA

Annual. Fine feathery foliage and globular heads of bloom about 1 inch across. The flowers last well when cut. 2 ft.

Capitata. Lavender-blue.

Capitata alba. White.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

GLOBE AMARANTH

Gomphrena

Annual; Everlasting. A first-rate bedding plant. The flowers resemble clover-heads and can be dried and used in winter bouquets.

Rose
White

Purple
Mixed

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

GODETIA

Annual. Splendid for bedding; also as a pot-plant for winter decoration.

Kelveden Glory. The color is deep glowing salmon-orange, of an intensity and vividness that can be found in no other annual. The plant is very strong and robust. $1\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Wild Rose. Pale pastel shade of rose, with a touch of carmine. So free flowering that when a plant is in full bloom the foliage is entirely hidden. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Sybil Sherwood. Salmon-pink. Remarkably free flowering, it has proved successful as a pot-plant, for bedding, and for cut-bloom. Award of Merit, R. H. S., England. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Azalea-flowered, Carminea. Double pink flowers, strikingly marked with darker shades. A veritable mass of bloom. 15 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Purity. See page 8. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Tall Double, Mixed. Average height 2 feet. These hybrids comprise white, pink, carmine, salmon-orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

In the Perfumed Garden Plant Heliotrope, Mignonette, and Mathiola

CURIOUS GOURDS

Annual Climbers. Rapid-growing and suitable for sowing around arbors, trellises, fencing, etc. Fruits are strangely shaped and quaintly marked and colored. The foliage is often curious. Grown for ornament, though one sort—the Malabar Melon—is edible.

LARGE FRUITS	SMALL FRUITS
Calabash Pipe	Apple
Caveman's Club	Miniature Bottle
Dipper	White Egg
Dish-Cloth (Luffa)	Orange
Giant Bottle	Pear (two colored)
Giant Club (5 to 6 feet long)	Pear (striped)
Hercules' Club	Spoon
Malabar Melon.	Turk's Turban

Edible fruits.

Mixed Gourds. All sorts.

Each, pkt. 10 cts., oz. 35 cts.

COLLECTION: Pkt. each, above 16 Ornamental Gourds, \$1.25



Baby's Breath (Gypsophila)

GYPSOPHILA (Baby's Breath)

Annuals and Perennials. Misty white panicles largely used for mixing with other cut-flowers.

Elegans grandiflora alba. Improved, large-flowering, pure white form of the annual Baby's Breath. Pkt. 10 cts., oz. 30 cts., 1/4 lb. \$1.

Elegans grandiflora rosea. Delicate rose form of above. Pkt. 10 cts., oz. 30 cts., 1/4 lb. \$1.

Muralis. An annual sort which forms mounds of green 10 inches high, studded with little pink flowers from early in the season till frost. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Paniculata. Hardy perennial white sort that blooms first year if sown early. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Paniculata fl.-pl. (Double Baby's Breath). Fine for cutting. Pkt. 25 cts., 1/8 oz. \$1.

Pacifica. Perennial. Large pink flowers. Blooms after Paniculata sorts have passed. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

Acutifolia. Hardy perennial sort, 3 to 4 feet high, with large panicles of small white flowers in July. Pkt. 15 cts., 1/4 oz. 60 cts.

Repens. A dwarf, white-flowered hardy perennial that is fine for rockwork. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Repens rosea. Pink. Pkt. 25 cts., 1/4 oz. \$1.

GLOXINIA

S. & W. Co.'s Large-flowered. Greenhouse Plant. These have now been so far fixed that 40 per cent of the seedlings come true. The ground-color of the large, erect, and widely opened flowers is a velvety purple-crimson, with a rosy white throat. On the often seven-lobed corolla appear more or less sharply defined bands, spots, and stripes, the latter mostly of a violet hue. Pkt. 50 cts., 3 pkts. \$1.25.

GNAPHALIUM (Edelweiss)

Leontopodium. Perennial; Everlasting. Sow early; keep cool and moist. Pkt. 25 cts.

HELENIUM (Sneezewort)

Perennial. Blooms very freely in late summer. Useful in the hardy border.

Autumnale superbum. Golden yellow. 4 ft. Pkt. 25 cts., 5 pkts. \$1.

Bigelowi. Light yellow. 2 1/2 ft. Pkt. 15 cts., 1/4 oz. 75 cts.

Riverton Gem. Wallflower-red. 2 ft. Pkt. 25 cts., 1/4 oz. \$1.

HELIANTHEMUM (Sun Rose)

Perennial. Beautiful subjects for the rock-garden. 1 ft. **Mixed.** Colors include yellow, red, white, and pink. Pkt. 15 cts., 1/4 oz. 50 cts.

HELIANTHUS (Sunflower)

Much prized for cutting. The tall sorts are largely used in the mixed border.

Annual Sunflowers

Sown in a sunny location in early May, they bloom early in the summer and flower continuously until frost.

Cut-and-Come-Again, Mixed. A mixture of the tall-growing, large-flowering types for cutting. Pkt. 10 cts., 1/4 oz. 30 cts.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. An abundant bloomer. 4 ft. Pkt. 10 cts., 1/4 oz. 30 cts.

Cucumerifolius, Stella. Larger. Golden yellow flowers with black centers. 4 ft. Pkt. 10 cts., 1/4 oz. 30 cts.

Cucumerifolius, Orion. A fine variety with petals twisted like a cactus dahlia. 4 ft. Pkt. 10 cts., 1/4 oz. 30 cts.

Cucumerifolius, Perkeo. A charming dwarf variety. The plants form compact bushes. 2 ft. Pkt. 10 cts., 1/4 oz. 35 cts.

Cucumerifolius fl.-pl. Double form of the Miniature Sunflower. Bright golden yellow. 4 ft. Pkt. 10 cts., 1/4 oz. 35 cts.

Dwarf Maroon Prince. The best red Sunflower. A dwarf type. 2 to 3 ft. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Tall Red, Gaillardia-flowered. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 4 to 6 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Dwarf Double (Globe of Gold). Dwarf; double; yellow. 4 ft. Pkt. 10c., 1/4 oz. 30c.

Tall Double Chrysanthemum-flowered. Flowers large, double, rich saffron. 8 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Gigantic Russian. Large old-time Sunflowers. 8 ft. Oz. 10 cts., 1/4 lb. 25 cts., 1/2 lb. 40 cts., lb. 75 cts.

Perennial Helianthus

Perennial Sunflowers, Mixed. The best perennial varieties carefully selected. Pkt. 25 cts., 5 pkts. \$1.

HELICHRYSUM (Straw Flower)

Annual; Everlasting. Best and most popular of winter decoration flowers. While growing they make a fine display in beds or borders. Allow 2 feet between plants. Double bright-colored flowers. 2 1/2 ft.

Rose Queen
Golden Ball
Snowball
Fireball

Salmon Queen
Violet Queen
Mixed

Each, pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 6 colors, 50c.

New Dwarf Hybrids. See page 8. Four colors and mixed. Each, pkt. 35 cts.

COLLECTION: 4 colors \$1.25

HELIOPHILA leptophylla. Annual. Valuable for growing in pots and for summer bedding. Seed may be sown in the open ground after danger of frost has passed, or earlier under glass. Flowers clear bright blue with white centers. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). Perennial. Yellow flowers from June to September. 3 ft. Pkt. 15 cts., 1/4 oz. 60 cts.

H. Pitcheriana (Orange Sunflower). Perennial. Flowers cup-shaped, yellow, about 2 inches in diameter. Excellent for cutting. 3 to 4 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

FRAGRANT HELIOTROPE

Greenhouse or Summer Bedding Plant. Its delightful perfume makes it a splendid bedding plant, or can be trained as a greenhouse climber. Seed started indoors in the spring will make fine plants for summer blooming. Can also be sown outdoors in May.

Lemoine's Giant, Mixed. Produces heads of flowers double the size of the old sorts.

Queen Marguerite. Large; dark blue.

White Lady. Largest white.

Each, pkt. 15 cts., 1/4 oz. \$1, oz. \$3.50

Mixed. Purple, violet, lilac, and white. Pkt. 10 cts., 1/4 oz. 75 cts., oz. \$2.50.

Marina. See page 8. Pkt. 50 cts., 3 pkts. \$1.25.

HERACLEUM

Giganteum. Perennial. A giant plant, useful for the wild garden, for large open spaces, or on lawns where a bold and striking object is desired. 6 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

HESPERIS (Sweet Rocket)

Perennial. The plants form large clumps 2 to 3 feet high, covered with showy spikes of flowers resembling stocks.

Matronalis, Red. Matronalis, White.

Each, pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1

HEUCHERA (Alum Root; Coral Bells)

Perennial. Dwarf, bushy plants of easy culture, growing 1 1/2 to 2 feet high, and bearing graceful spikes of flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea alba. White.

Sanguinea gracillima rosea. Carmine-ros.

Each, pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$2, 1/4 oz. \$3.50



Balcony Petunias

For Flower-Beds, Annual Borders
Window-Boxes and Rock-Gardens

THIS LARGE-FLOWERING TYPE
IS THE BEST FOR THE
AMATEUR GARDENER TO GROW

Few annuals offered by us have become so quickly popular as these splendid Petunias. Their freedom and purity of bloom have made them everyone's favorite. The plants grow vigorously; they are covered with large flowers, and the colors are pure and true. We offer five distinct hues in this very charming annual.

1. White. Pure white.
2. Rose. Pure rose-pink.
3. Crimson. Rich deep crimson.
4. Blue. Rich cornflower-blue.
5. Purple. Velvety violet-purple.

Any of the above varieties, pkt. 20 cts.,
 $\frac{1}{16}$ oz. 60 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

SPECIAL COLLECTION OFFER

One pkt. each of
5 distinct colors **75c.**

Other Petunias are offered on pages 12 and 36

Scabiosa { Mourning Bride Pin-Cushion Flower }

Wherever annuals are grown for cut-flower purposes, Scabiosas should ALWAYS be included.

The plants reach a height of about 2½ feet and begin blooming in early July, continuing without interruption until hard frost. The flowers are fully as large as illustrated, and the colors are as nearly accurate as good color printing can register them.

They make effective lines in the flower-garden. For best results, sow seed as soon as trees are out in leaf, in a well-prepared seed-bed, transplanting plants so as to leave 1 foot between them. Keep flowers well cut, as this helps to increase blooming. The beautiful flowers are borne on long stems and will keep almost a week in water after cutting.

1. Rich Red. Bright red.
2. Azure Fairy. Lavender-blue.
3. White. Pure white.
4. King of the Blacks. Maroon.
5. Yellow. Sulphur-yellow.
6. Shell-Pink. Pale pink.

Any of above, pkt. 10c.,
¼oz. 50c., oz. \$1.50

COLLECTION

One pkt. each of
the above 6 colors **50c.**

Perennial Scabiosa

(Not Illustrated)

Giant Hybrids (Isaac House Strain). This new type has larger flowers with heavier petals and on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. **Mixed.** Pkt. (50 seeds) 35 cts., ⅛oz. \$1.25, ¼oz. \$2. See page 42 for other varieties of annual and perennial Scabiosa.

TAHOKA DAISY

This new annual is easy to grow. Seeds sown in the open in early spring produce plants which will be covered with lavender-blue, daisy-like flowers from July to mid-October, despite heat and dry weather. The Daisies are 1½ inches across and are carried on long stems. This feature, their beauty, and the length of time they last in water, combine to make the Tahoka Daisy an ideal cut-flower. It is highly decorative in the garden also, growing around 20 inches high.

Pkt. 25 cts., ⅛oz. \$1, ¼oz. \$1.50



TAHOKA DAISY

We Send Flower Seeds Post-Free to Any Point in the U. S.

Brilliant Larkspurs ANNUAL

A vast improvement has been effected in size, color, and general habit of this well-known flower. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost. They make handsome beds and are very effective among shrubs.



Larkspur

LANTANA

Greenhouse and Summer Bedding Plant. Desirable half-hardy plants which bloom constantly. The flowers are borne in verbenalike heads of orange, white, rose, etc. **Mixed.** All colors, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

LATHYRUS

Everlasting or Hardy Sweet Pea

Perennial Climber. The flowers are borne in large clusters. Climbs over rocks, fences, and bushes. Splendid cut-flower. 6 to 8 ft.

White Pink Beauty Red Mixed
Each, pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

LAVATERA (Mallow)

Trimestris grandiflora rosea. *Annual.* Beautiful and showy plant, covered with large, cup-shaped, salmon-pink flowers. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

SWEET LAVENDER

Munstead Strain. *Perennial.* Improved type of *Lavandula vera*. Sweet scented. 2 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

LAYIA elegans (Tidy Tips). *Annual.* Large, yellow, daisy-like flowers, bordered cream. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

La France. A fine variety of this very popular annual with beautiful double pure bright salmon flowers closely placed on the long but solid spike. $2\frac{1}{2}$ to 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Giant Imperial Larkspurs

Described on page 11.

Five sorts marked (*) are shown in color on page 10.

*Blue Spire.	Lilac Queen.
Carmine King.	Lilac Spire.
Deep carmine-rose.	Peach Blossom.
Coral King.	*Sweet Lavender.
*Dazzler. Carmine.	White King.
*Exquisite Pink Improved.	*White Spire.
Gloria. Deep rose.	Giant Imperial (Tall), Mixed.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2
COLLECTION: 5 sorts marked (*), 60 cts.

Tall, Stock-flowered, Mixed. A select mixture of our famous strain. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

S. & W. Co.'s Emperor

This dwarf stock-flowered type of Annual Larkspur is of candelabra habit. 2 ft.

Azure-Blue	Pink Delight (Soft rose)
Brilliant Carmine	Violet
Enchantress (Salmon-pink)	White (Pure)
Mixed	

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, above 6 colors, 50c.

LEPTOSYNE

Maritima. *Annual.* Large, yellow flowers. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Golden Rosette. See page 8. Pkt. 50 cts., 3 pkts. \$1.25.

Stillmani. *Annual.* Golden yellow flowers. Splendid cut-flower. Blooms within six weeks. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

LEWISIA Howelli. *Perennial.* Forms a mat 3 inches high, and throws up stems 6 inches long, crowned with flowers of apricot streaked with rose. For a sunny rock-garden. Pkt. 35 cts., 3 pkts. \$1.

LINUM (Flax)

Grandiflorum rubrum. *Annual.* Showy bedding plants; having brilliant scarlet flowers. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Perenne. *Perennial.* Bright blue. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Perenne album. *Perennial.* White. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Flavum. *Perennial.* Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 25 cts., 5 pkts. \$1.

LIATRIS pycnostachya. *Blazing Star; Gay Feather.* *Perennial.* Purple and rosy purple flowers are borne on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

L. Scariosa alba. Stout racemes of pure white flowers. Excellent for cutting, and imposing in the border. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2.

STATELY LILIES FROM SEED

Perennial. Most Lilies will produce flowers the second year from seed; give them the same treatment as other hardy perennials.

Candidum. Salonika variety.

Columbianum (Columbia Lily).

Dalmaticum Hybrids.

Giganteum (Himalaya Lily).

Martagon album (White Turk's-Cap Lily).

Martagon Hybrids (Turk's-Cap Lily).

Philippinense Formosanum (Hardy Easter Lily). Blooms in July.

Szovitzianum (Great Caucasian Lily).

Tenuifolium (Coral Lily).

Washingtonianum (Washington Lily).

Each, pkt. 50 cts., 3 pkts. \$1.25

Longiflorum, White Queen (Easter Lily).

Blooms within 12 months of sowing. Pkt. 75 cts., 3 pkts. \$2.

Regale (The Royal Lily). Pkt. 25c., $\frac{1}{4}$ oz. \$1.

LINARIA

Annuals; one Perennial Climber. Sow seed in spring where the plants are to bloom, or earlier under glass or in the home.

Maroccana, Fairy Bouquet Mixture.

The very compact plants bear large flowers, in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Maroccana, Ruby King. Produces larger flowers than the type. Ruby-crimson. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

Maroccana, Excelsior. A mixture of colors—white, purple, and violet. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Macedonica. Yellow. 3 ft. Pkt. 25 cts.

Cymbalaria (Kenilworth Ivy; Mother of Thousands). Lavender and purple. A charming, hardy trailer plant, suitable for pots or rockeries. Pkt. 15 cts., 2 pkts. 25 cts.

CHEERFUL LOBELIAS

Sow outdoors in early spring, and thin moderately; or transplant several inches apart. Good winter conservatory plants. The perennial varieties are handsome, showy plants.

ANNUAL BEDDING VARIETIES

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., 5 pkts. \$1.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Emperor William. Compact; sky-blue flowers. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 35 cts., 3 pkts. \$1.

Pumila splendens. Dark blue, with clear white eye. Compact. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Pumila alba. Pure white. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Tenuior compacta, Improved. Of erect habit and thickly covered with large, dark blue flowers having a distinct white eye. 9 in. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

ANNUAL TRAILING VARIETIES

Barnard's Perpetual. Deep blue with white eye. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Pendula, Sapphire. Deep blue, trailing sort with white eye. Pkt. 35 cts., $\frac{1}{8}$ oz. 75 cts.

Speciosa. Deep blue. Dark foliage. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

HARDY PERENNIAL VARIETIES

Cardinalis. *Cardinal Flower.* Scarlet. Green foliage. 3 ft. Pkt. 35 cts., 3 pkts. \$1.

Queen Victoria. Scarlet. Bronze foliage. $1\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

LUPINUS (Lupine)

Of easy culture and should be more generally grown. The annuals may be sown in the open in May; thin to 1 foot.

Hartwegi or King (ANNUAL)

Plants grow 3 feet high and are base-branching, with six to eight huge spikes to a plant. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Light Blue. Large, fine sky-blue flowers.

King Heliotrope. Pretty flowers, striking in size, rosy purple, white stripe.

King White. Enormous, glistening pure white flowers.

Each, pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1

King Mixed. Contains the above colors and in addition sky-blue, heliotrope, and mid-blue. Pkt. 10 cts., 1/2 oz. 50 cts., oz. 75 cts.

Attraction. Beautiful rose-pink standards, shaded gold. Fitting companion to the above Kings. Pkt. 35 cts., 3 pkts. \$1.

Yellow Lupines. Old-time annuals. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts.

Polyphyllus Grandiflora Hybrids (PERENNIAL)

Sow during summer to bloom from June to September of the following year, preferably where they are to flower, as they do not transplant well. Partly shaded, rich soil, free from lime, is advised.

We offer exclusively a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust and decidedly larger than those of the usual type.

White **Blue Shades**
Pink Shades **Mixed Hybrids**
Red Shades

Each, pkt. 25 cts., 1/4 oz. \$1, oz. \$3

Golden Spire. The tall, stately spikes of rich golden yellow flowers make this subject a fitting companion to the blue types. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.

Downer's Hybrids. A special strain of early Lupines. Flowers are large, with an exceptionally fine color-range. **Mixed.** Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.

Russell Lupins. See page 11. 12 seeds 35 cts., 50 seeds 75 cts., 120 seeds \$1.50, 250 seeds \$2.75.

LYCHNIS (Catchfly; Campion)

Perennial. Handsome plants of easy culture, for massing in beds or borders, blooming first year from seed if sown early.

Alpina. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Arkwrighti Hybrids. Improved strain, growing 2 1/2 feet high. **Mixed.** All colors. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Chalcedonica. Scarlet. 2 ft. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Chalcedonica, Salmon Queen. Salmon. 2 ft. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Haageana. Orange-scarlet. 2 ft. Pkt. 20 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Viscaria splendens. Scarlet. 1 1/2 ft. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

LYTHRUM (Loosestrife)

Salicaria roseum superbum. *Perennial.* Rose-colored flowers. July-Sept. 3 ft.

Virgatum. *Perennial.* Rosy purple. 3 ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.



King Lupines

MALOPE

Grandiflora, Giant Crimson. *Annual.* Large Hibiscus-like flowers. 2 1/2 ft. Pkt. 15 cts., 1/8 oz. 40 cts., 1/4 oz. 75 cts.

MALVA

Setosa, Mixed. *Perennial.* The mixture includes white, crimson, lilac, sulphur, and various shades of rose and pink. 6 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Alcea (Hollyhock Mallow). *Perennial.* Pink. Pkt. 25 cts., 5 pkts. \$1.

Moschata. *Perennial.* Pkt. 15 cts.

Moschata alba. *Perennial.* Pkt. 15 cts. See also **Lavatera.**

MATRICARIA (Feverfew)

Grandiflora fl.-pl. eximia. *Treat as an Annual.* Half-hardy perennial with double, pure white flowers; excellent for cutting. 15 in. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Golden Ball. *Treat as an Annual.* Compact-growing variety with golden yellow flowers. Excellent for bedding. 1 ft. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

MATHIOLA bicornis (Evening-scented Stock). *Annual.* Flowers are a dull purplish lilac, but it is well worth growing for the entrancing fragrance which it emits during the evening. 1 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

MAURANDIA Barclayana. *Annual Climber.* Rapid-growing plant. Fine for garden or greenhouse. Blooms all summer in hanging-baskets and vases or on trellises. 10 ft. Blue and White. **Mixed.** Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

MESEMBRYANTHEMUM crystallinum (Ice Plant). *Annual.* Dwarf, trailing plants with pink flowers and glistening foliage. 8 in. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

M. criniflorum (Livingstone Daisy). *Annual.* Many attractive colors. Spreading plant. 3 in. **Mixed.** Pkt. 25 cts., 1/8 oz. \$1.

M. tricolor. *Annual.* Branching plant with white, pink and purple daisy-like flowers. 6 in. Pkt. 15 cts., 1/4 oz. 75 cts.

MICROSPERMA, Golden Tassel. See page 11. Pkt. 75 cts., 3 pkts. \$2.

MARIGOLDS ANNUALS

African

Yellow Supreme. This tall, handsome variety won the Gold Medal in the 1935 All-America Seed Selections. 2 1/2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Dixie Sunshine. Award of Merit, 1936 All-America Seed Selections. Free flowering, compact and somewhat pyramidal; bears loosely ruffled, chrysanthemum-flowered, clear yellow blooms. Flowers extremely late. 2 1/2 ft. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1, oz. \$3.50.

Guinea Gold. *True reselected strain.* A distinct type with graceful, pyramidal habit, growing 2 1/2 to 3 feet high, and producing 30 to 40 flowers of a brilliant shade of orange-gold. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

***Aldouble Lemon.** 2 1/2 ft. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

***Aldouble Orange.** 2 1/2 ft. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Chrysanthemum-flowered. See page 11.

Orange, Golden and Yellow Incurred.

Each, pkt. 35 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

Hybrids. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Sunset Giants. See page 11. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$1.50.

Crown of Gold. See page 11. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Tiny Golden Crown. See page 11. Pkt. 50 cts., 3 pkts. \$1.25.

Little Giants. See page 11. Pkt. 35 cts., 3 pkts. \$1.

Double Tall African, Mixed. Yellow and orange shades. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

French

ALL-AMERICA WINNER, 1937

Dwarf Royal Scot.

An improved all-double French Marigold. Bushy uniform plants, 1 foot high, bear beautiful rich striped mahogany and gold flowers. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

Double Harmony. (Scabious-flowered.)

They have a central, deep orange crest, which is surrounded by a maroon-brown collar of broad florets. 1 ft. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Robert Beist. Red-brown flowers. May be used as an edging to a bed planted with Yellow Supreme. 1 ft.

Fire Cross. Single, deep orange flowers, each floret being splashed and spotted with crimson. 1 ft.

***Golden Ball.** Double; pure golden yellow.

***Legion of Honor** (Little Brownie). Single. Golden yellow, with crimson blotch at the base of each petal. 9 in.

***Lemon Ball.** Double, lemon-yellow flowers.

***Mahogany.** Double, rich velvety mahogany-brown blooms.

Each, pkt. 10 c., 1/4 oz. 40 c., oz. \$1.35, unless noted

Flaming Fire. *Thirty-inch* plants bear a profusion of single, long-stemmed flowers 2 inches across. Fiery red, changing to red and yellow as the flower matures. Pkt. 35 cts., 3 pkts. \$1.

Josephine. Tall French variety. Single, dark brown flowers edged with red and gold. 3 ft. Pkt. 15 cts., 1/4 oz. 25 cts., oz. 75 cts.

Mixed French Marigolds, Double. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, marked *, 50 cts.

Winter-flowering Marigold

Annual. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Grow in a cool-house, pinching once when plants are 8 to 10 inches high. 2 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Brilliant! Charming! Fragrant! What Are? Double Nasturtiums

MIGNONETTE (*Reseda*)

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

Red Monarch. The deepest red Mignonette. The flower-spikes are thick and heavy. *Very sweet-scented.* Recommended as an outdoor garden plant and fine for under glass. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger in size. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Allen's Defiance. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Golden Queen. Yellow-tinted flowers. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Machet. Dwarf French variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Improved Large-flowering. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

MIMOSA pudica (*Sensitive Plant*). *Greenhouse and Bedding Plant.* Curious plant, the leaves of which instantly close when touched. Tender annual, easily grown in the garden during summer. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

MIMULUS (*Musk Plant*)

Whitcroft Scarlet. *Half-hardy Annual.* This fine plant comes true from seed. Orange-scarlet flowers cover the compact plant. 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Red Emperor. *Hardy Perennial.* A gem for the rock-garden, especially in moist, shaded spots. Free-flowering plant with bright crimson-scarlet flowers. Pkt. 35 cts., 3 pkts. \$1.

Moschatus. *Tender Annual.* Beautiful plants with almost transparent branches. Luxuriates in damp, shady situations. Musk-scented. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

Splendid Annual, Mixed. Pkt. 15 cts.

MINA

Lobata. *Annual Climber.* Sow against a fence or stump in spring, and it trails 20 feet; from July on, it is covered with small, trumpet-shaped, red flowers. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

MOMORDICA

Balsam Apple; Balsam Pear

Annual Climbers. Large leaves make dense shade. Flowers followed by ornamental fruits of orange color. 15 to 20 ft.

Balsamina (*Balsam Apple*). Orange fruits. Pkt. 15 cts., oz. 50 cts.

Charantia (*Balsam Pear*). Coppery scarlet fruits. Pkt. 15 cts., oz. 50 cts.

MONARDA hybrida, Mixed (*Bee Balm; Bergamot*). *Perennial.* A fine mixture producing salmon, rose, crimson, and scarlet flowers from July to September. 3 ft. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.



Nasturtium, Dwarf Golden Globe

STATELY MUSA (*Banana Tree*)

Ensete. *Greenhouse and Bedding Plant.* Magnificent plant, strikingly effective for subtropical massing, or as a single specimen. Seeds sown early indoors will produce plants 12 feet high the first season. Pkt. 25 cts., 25 seeds 75 cts., 100 seeds \$2.50.

MYOSOTIS (*Forget-me-not*)

Perennial. Hardy if given slight protection through the winter. Seed may be sown from spring until midsummer. Alpestris varieties and Dissitiflora bloom in April; Palustris, May to fall.

Alpestris Varieties

Blue Ball. New. Compact plant with deepest indigo flowers. For bedding and edging. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$1.50.

Carmine King. Novelty sort with carmine-rose flowers which age to lilac-rose. Pkt. 50 cts., 3 pkts. \$1.25.

Lavender Gem. New and distinct color—mid-lavender, free from rose or mauve. Pkt. 35 cts., 3 pkts. \$1.

Royal Blue. Rich dark indigo-blue flowers. 9 in. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Robusta grandiflora. Good heads of Forget-me-not-blue flowers. 10 in. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Victoria, Blue. Clear azure-blue flowers. Plants bushy and compact. 8 in.

Victoria, Pink. Pink type of Forget-me-not. For the border and pot-culture. 8 in.

Victoria, White. White form of above. Each, pkt. 15 cts., 1/4 oz. 75 cts., except as noted

Mixed. A select mixture of Alpestris sorts. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Dissitiflora. Large, blue flowers; adapted for beds of late-flowering tulips, etc. 1 ft. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Palustris semperflorens (*Everblooming Forget-me-not*). Large, clear blue flowers. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Ruth Fischer. One of the largest-flowered hybrid Forget-me-nots, producing blue blooms up to 1/2 inch in diameter. Plants of exceptional value for pot-culture and spring bedding. 1 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$2.50, 1/4 oz. \$4.

Isolde Krotz. Under favorable conditions, the individual blossoms are nearly an inch in diameter. For greenhouse use and the open. Pkt. 50 cts., 3 pkts. \$1.25.

NASTURTIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a sunny position; within a few weeks from the time they are sown until hard frost comes, there is a profusion of gorgeous blossoms.

Dwarf or Globe Types

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Salmon Globe **Scarlet Globe**
Mahogany Globe **Orange Globe**
Ruby Globe

Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5

Golden Globe **Dwarf Globe Mixture**
Above 2, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50

COLLECTION: Pkt. each, above 6 colors, 60c.

Semi-Dwarf or Gleam Types

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden, and for cut-bloom.

Salmon Gleam **Scarlet Gleam**
Mahogany Gleam **Orange Gleam**
Moon Gleam (golden cream)

Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5

Golden Gleam **Glorious Gleam Mixture**
Above 2, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50

COLLECTION: Pkt. each, above 6 colors, 60c.

Tom Thumb or Bedding (Single)

Dwarf, Ivy-leaved. Beautiful, green, ivy-like foliage; an effective setting for the lovely flowers. **Mixed.** All colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Dwarf, Variegated-leaved. Robust and beautiful, with the added merit of ornamental foliage. **Mixed.** All colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Large-flowered, Dwarf, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

Tall or Climbing (Single) 6 to 10 ft.

Tall, Ivy-leaved. Similar to Dwarf Ivy-leaved, but tall. **Mixed** colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Tall, Variegated-leaved. Ornamental leaves; climbing. **Mixed** colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Large-flowered, Tall, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

NEPETA (*Ground Ivy*)

Mussini. *Perennial.* Blue. May, June. 1 ft. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.



Myosotis alpestris

NEMESIA

Annual. We offer a fine strain of this beautiful subject; large-flowered varieties.

White Queen. When in flower, it is a perfect white pyramid. 1 ft. Pkt. 25 cts.

Orange Cherry-Red **Rose Scarlet** **Mixed**

Hybrid Blue Gem. A dwarf variety, very suitable for borders. 9 in.

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/8oz. \$1.50

NEMOPHILA

Annual. Splendid subjects for garden decoration. Bright-colored flowers in shades of blue, white, and violet. 6 in.

Insignis. Blue. **Insignis.** White.

Maculata. White, spotted blue.

Atomaria. White, spotted black.

Discoidalis. Maroon and white.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

NICOTIANA (*Scented Tobacco*)

EASILY GROWN ANNUALS

Crimson Bedder. Dwarf and compact. Deep crimson flowers. 15 in. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.

Crimson King. The color is a dark, velvety crimson-red. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Affinis. Sweet-scented, pure white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Affinis Hybrids. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Affinis, Red Shades. Immense clusters of rich crimson flowers. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Miniature White. Small-flowered, pure white species, delightfully scented. A fine bedding subject and pot-plant. Pkt. 35 cts., 3 pkts. \$1.

Sanderæ Hybrids. New types in various colors. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

NIEREMBERGIA

Hippomanica. *Annual.* For the greenhouse or a sheltered position outdoors. Only 6 inches high, it forms a cushion covered with delicate lavender flowers. See page 10. Pkt. 50 cts., 3 pkts. \$1.25.

NIGELLA

Damascena, Double Mixed (Love-in-a-Mist). *Annual.* Feathery green foliage and double blue or white flowers. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Miss Jekyll. *Annual.* A lovely variety with cornflower-blue blossoms. 2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Miss Jekyll, White. Pure white form of the above. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

NOLANA, Blue Ensign (Chilean Bell-flower). *Annual* for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Height 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ODONTOSPERMUM sericeum grandiflorum. *Greenhouse Perennial.* Native of the Canary Islands. The yellow flowers are 2 to 3 inches across. Silvery green foliage. May be carried over winter in the same way as hydrangeas. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Giant-Flowered Pansies

TREAT AS ANNUALS OR PERENNIALS

This popular plant needs no description. Good results may be obtained from sowing seed in April or again in July and August in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine-ground bone. Sow seed in drills, covering them five times their diameter, and firm soil. Water once a day. Seed will germinate in about two weeks and should not be allowed to dry out. When plants are large enough to handle, transplant to a distance of 1 foot apart. With greenhouse and coldframe facilities, summer-sown plants are protected during winter. They will be in bloom in April.



Pansies and Pines. Pansy seeds supplied by Stumpp & Walter Co. Prize-winning photo submitted by E. W. Meyer, Reedsburg, Wis.

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Oriole. Copper-red and yellow.

Pure Golden Yellow.

Lavender (light).

Pure Snow-White.

Mahogany Shades.

Emperor William, Blue (dark).

Bronze Shades.

Fancy Red Shades.

Yellow, Dark Eye.

Pink Shades.

Brown Shades.

Variegated Shades. Striped and blotched.

Mixed. Contains every conceivable color.

Each, pkt. (about 300 seeds) 50 cts., 1/8oz. \$2, 1/4oz. \$3.50, 1/2oz. \$6, 1/2oz. \$10, oz. \$20

OENOTHERA (*Evening Primrose*)

Fraseri. *Perennial.* Yellow flowers. 1 1/2 ft. July-Oct. Pkt. 25 cts., 5 pkts. \$1.

Lamarckiana. *Perennial.* Yellow flowers. 3 ft. July-Oct. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Fruticosa Youngi. *Perennial.* Yellow. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

Missouriensis. *Perennial.* Yellow. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

Speciosa. *Perennial.* White turning to pink; fragrant. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

Childsi (Mexican Evening Primrose). *Perennial.* Rose. Pkt. 15 cts., 2 pkts. 25 cts.

Clutei. *Perennial.* Soft creamy yellow. 4 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

PASSIFLORA (*Passion Flower*)

Half-bardy Climber. Handsome, rapid-growing climber for greenhouse decoration or sunny positions outdoors in summer.

Cærulea. Large flowers of violet and blue.

Alba. Large, white flowers.

Each, pkt. 15 cts., 2 pkts. 25 cts.

S. & W. Co.'s Exhibition Strain

This mixture has been prepared from the finest varieties grown, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every combination of colors has been included. Pkt. 50 cts., 1/8oz. \$1.50, 1/8oz. \$2.50, 1/4oz. \$4, 1/2oz. \$7.50, oz. \$15.

NON PLUS ULTRA MIXED. A mixture for the critical buyer who desires his beds to be uniform in quality yet with every color combination. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2, 1/2oz. \$3.75, oz. \$7.50.

MIXED BEDDING PANSIES. All colors. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.75.

Mastodon Pansies

Black Mastodon. Nearly all jet-black.

Coronation Gold. See page 12. Pkt. 50 cts., 3 pkts. \$1.25.

Mme. Perret. Edges of petals frilled and bordered white. Colors wine, pink, and red.

Sea Blue. A splendid dark blue.

Mastodon, Mme. Steele. Immense, self purple blooms. A perfect self.

Improved Beaconsfield. Bluish purple with lavender tinge on upper part of petals.

Mastodon, Adonis. Light blue, baby blue, and lavender shades.

Each, pkt. 25 cts., 1/8oz. \$1, 1/8oz. \$1.75, 1/4oz. \$3, 1/2oz. \$5, oz. \$10, except as noted

Giant Mastodon Strains

Golden Gate. A monster golden yellow, unequalled in size and beauty.

Mlle. Irene. A new shade—henna-red.

Improved Isabelle. A superb, ruffled bronze and yellow. Long stems. Very large.

Each, pkt. 50 cts., 1/8oz. \$2, 1/8oz. \$3.50, 1/4oz. \$6, 1/2oz. \$10, oz. \$20

CUT-FLOWER PANSIES. For greenhouse culture. Flowers up to 3 inches in diameter, with stiff stems 6 to 11 inches in length. Wide range of colors. **Mixed only.** Pkt. \$1.50, 3 pkts. \$4.

Shakespeare's Pansies. See page 12. Pkt. 50 cts., 3 pkts. \$1.25.

PENTSTEMON (*Beard Tongue*)

Treat as an Annual. Highly useful and attractive hardy perennial.

Giant-flowered Hybrids. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

S. & W. Co.'s Pink Strain. A very pleasing strain of pink and pale rose shades. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Spectabilis. Grows 3 to 4 feet high and produces long spikes of rich blue flowers. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Sensation. Desirable bedding plant. Spikes of large, gloxinia-like flowers in a wide range of color, including rose, red, carmine, cherry, pink, lilac, purple, etc. 2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

PERILLA nankinensis. Easily grown annual. Excellent bronze foliage plant for beds. 2 ft. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Grow Petunias for Continuity of Bloom and Brilliant Effect



Petunia

Giant-flowering Single Fringed

Petunia grandiflora fimbriata

These have flowers 4 to 5 inches across.

Pride of Portland. Beautiful rose-pink.

Romany Lass. Coppery blood-red blossoms with dark purple throat; striped black.

Scarlet Beauty. Brilliant scarlet.

Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.

Violacea. Velvety violet-blue.

White Beauty. Clear, crisp white.

Single Fringed, Mixed (Fluffy Ruffles).

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 6 colors, \$1.25

Dwarf Giants of California. Large flowers with yellow throats, heavily marked and delicately veined. Compact and vigorous. Mixed colors. Pkt. 25 cts., 5 pkts. \$1.

Giant-flowering, Single, Plain-edged (*Petunia grandiflora*)

These have flowers 4 to 5 inches across.

Elk's Pride. Large; very dark purple.

Dwarf Pink Glory. Deep rose flowers, slightly ruffled.

Purple Prince. Rich velvety purple-violet.

White Cloud. Large, pure white flowers. Somewhat dwarfer than the above. 10 in.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85c.

Giant-flowering Double Fringed

Petunia grandiflora fimbriata flore-pleno

Flowers 4 to 5 inches across. This seed produces mostly double, some semi-double, and a few single flowers.

Crimson King.

Madonna. Pure white.

Rose Queen.

Copper-Red.

Heliotrope.

Rose-Pink with White.

Each, pkt. 50 cts., 3 pkts. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$2.50

Double Fringed Mixed. (California-grown seed.) Large, beautifully fringed flowers, embracing a very wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

New All-Double Petunias. See page 12.

Amaranth

Gaiety

Loveliness

White Victorious

World Beauty

Victorious, Mixed

Triumphant, Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

Brilliant Petunias

Petunias cannot be equaled by any other plant for outdoor decoration, for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

Petunias grow from 1 to 1½ feet high, except miniature sorts and the dwarf single bedding types (*Petunia hybrida nana*) which attain 8 inches or less.

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit of growth enables them quickly to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across. Illustrated in color, page 29.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Cornflower-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 20 cts., ½oz. 60 cts., ⅓oz. \$1, ¼oz. \$1.50

COLLECTION: Pkt. each, above 5 colors, 75c.

Balcony, Star of California. Flowers are velvety violet with a touch of crimson, starred with five pure white blotches. Pkt. 25 cts., 5 pkts. \$1, ⅓oz. \$1.50.

Balcony, Netted Blue Gem. Deep blue, beautifully netted or veined with deep violet. The flowers cluster together, making an effective mass. Pkt. 35 cts., 3 pkts. \$1.

Balcony, Mixed. All colors. Pkt. 15 cts., ⅓oz. 50 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Miniature Petunias

Each plant forms a perfect ball effect, literally covered with flowers, the individual blossoms being 2 inches in diameter.

Cockatoo. Medium-sized flowers of a deep purple-violet, with regular-shaped splashes of white around the margin. 8 in. Pkt. 35 cts., 3 pkts. \$1.

Pink Gem. Deep pink flowers. Indispensable for borders, window-boxes, pots, beds, and rock-gardens. Secure a charming effect by planting Pink Gem along with Ageratum. 8 in. Pkt. 15 cts., ⅓oz. 60 cts., ¼oz. \$1.

ALL-AMERICA WINNER, 1936

Rose Gem. This is a rich deep rose. The plant is neat and compact, 5 to 6 inches high, and smothered with rich rose-colored flowers about 2 inches in diameter. Pkt. 50 cts., 3 pkts. \$1.25.

New Trailing Petunia

Parviflora. The numerous lilac-pink blossoms are ¼ inch across, while the narrow leaves, less than an inch long, produce a lace-like effect. Plant in sun or partial shade, and it will spread in a circle 18 inches in diameter. From a window-box it will trail down 15 inches. Pkt. 25 cts., 5 pkts. \$1.

PHACELIA (*California Bluebell*)

Viscida. Charming blue annual for edging a flower-bed or border. The plants are 12 inches high and they are covered with saucer-shaped flowers of brilliant, deep gentian-blue, marked with paler blue in the center. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Campanularia. Annual, about 1 foot high, covered with blue flowers all summer. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Ciliata. Sweet-scented; lavender. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Single Bedding (*Petunia hybrida*)

Flowers usually 2 to 3 inches across.

ALL-AMERICA GOLD MEDAL, 1936

Flaming Velvet. This grows about 1½ feet high, with flowers of a brilliant, velvety scarlet. Outstanding in color, type, and uniformity; few off-color rose flowers. Pkt. 25 cts., 5 pkts. \$1.

Blue Bedder. Rich, royal blue. Very free flowering; effective when planted in beds. Charming, too, as a pot-plant. 1½ ft. Pkt. 15 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Burgundy. See page 12. Pkt. 50 cts.

Countess of Ellesmere. Dark rose, with fine white throat. Pkt. 10 cts., ⅓oz. 50 cts., ¼oz. 85 cts.

Dainty Lady. Free-blooming sort. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.

General Dodds. Velvety dark red or garnet. 20 inches. Pkt. 15c., ⅓oz. 75c., ¼oz. \$1.25.

Gottfried Michaelis. Amaranth-red flowers with dark throats; fringed; large. A wonderful bedding and border sort, and often used for baskets. 1 ft. Pkt. 25c., 5 pkts. \$1.

Howard's Star Improved. Rosy crimson, with a five-pointed white star in the center. Pkt. 15 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Pink Beauty. The flowers are quite large, of handsome form, brilliant rose-pink with throat lightly suffused with yellow. Pkt. 15 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Salmon Supreme. See page 12. Pkt. 50 cts., 3 pkts. \$1.25.

Topaz Rose. See page 12. Pkt. 50 cts.

Bedding, Mixed. All colors. Will furnish a very decorative show. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50, ¼lb. \$5.

Dwarf Bedding (*P. hybrida nana*)

Martha Washington. Ruffled blooms about 3 inches across. The frilled portion of the flower is a beautiful blush-pink, and the center is strongly veined a rich wine-red, deepening to dark violet in the throat. 9 inches. Pkt. 50 cts., 3 pkts. \$1.25.

New Rosy Morn. Large, bright, rosy crimson flowers, the color becoming gradually lighter toward the center until it blends with the creamy yellow throat. Brighter, larger and more uniform than Rosy Morn. Pkt. 25 cts., 5 pkts. \$1, ⅓oz. \$1.50.

Rosy Morn. Carmine-pink; white throat. Pkt. 15 cts., ⅓oz. 85 cts., ¼oz. \$1.50.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, ⅓oz. \$1.50.

Inimitable Compacta. Bushy little plants covered with striped and star-shaped flowers, white on old-rose. Pkt. 10 cts., ⅓oz. 50 cts., ¼oz. 85 cts.

Blue Gem. See page 12. Pkt. 50 cts.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Snowball. An excellent compact variety, producing satiny white flowers. Pkt. 15 cts., ⅓oz. 60 cts., ¼oz. \$1.

Violet Queen (Dwarf Violacea). Rich, plush-like violet-blue. Pkt. 15 cts., ⅓oz. 75 cts., ¼oz. \$1.25.

Nana compacta, Mixed. Really dwarf; complete color-range. Pkt. 15 cts., ⅓oz. 50 cts., ¼oz. 75 cts., oz. \$2.50.

The Charming Phlox

For richness of color and freedom of flowering, these cannot be surpassed. Invaluable for beds and ribbon-gardening. Sow outdoors in May, and they will be a mass of color in July and continue until late autumn. Seeds may be sown indoors in March for flowers in June.

Large-flowering Tall (15 inches)

Brilliant. Finest crimson.
Carmine. Carmine with white eye.
***Chamois-Rose.** Shell-pink.
***Isabellina.** Tea-rose yellow.
Kermesina. Scarlet-striped.
Leopoldi. Rose with white eye.
***Purple.** Deep purple.
Purple King. Purple, white eye.
***Rich Rose.** Enchantress-pink.
***Scarlet.** Rich scarlet.
Splendens Deep crimson, white eye.
***White.** Pure white.
 Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2
 MIXED, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50
 COLLECTION: Pkt. each 12 sorts, \$1.50
 Pkt. each 6 sorts marked (*), 75 cts.
Gigantea, Art Shades. Flowers 1 1/2 inches across and in soft pastel colors. 9 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Large-flowering Dwarf

The plants are about 6 inches high.
Apricot. Fireball. Scarlet.
Chamois-Rose. Pink. **Isabellina.** Yellow.
Defiance. Crimson. **Purple.**
Snowball. Pure white. **Surprise.** Vermilion.
 Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50
 MIXED, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50
 COLLECTION: Pkt. each, 8 sorts, \$1
Star of Quedlinburg. Dwarf; star-shaped flowers. A novel variety. **Mixed.** All colors. Pkt. 15 cts., 1/4oz. 75 cts.

Phlox, Hardy

Large-flowering Hybrids, Tall Mixed.
 Perennial. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Large-flowering Hybrids, Dwarf Mixed.
 Perennial. Pkt. 25 cts., 5 pkts. \$1.



Phlox Drummondii

PLATYCODON

Balloon Flower; Japanese Bellflower

Perennial. Produces bell-shaped showy flowers during the whole season.
Grandiflorum. Steel-blue flowers. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.
Grandiflorum album. Pure white. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.
Grandiflorum Mariesi. Large, open, bell-shaped flowers of a rich violet-blue. 1 1/2 ft. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Grandiflorum japonicum fl.-pl. (Double). Large, glossy, deep blue flowers; in shape they have the appearance of a star. 2 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

Annual Platycodon

Although a perennial, this may be treated as an annual. Seed sown outdoors in April will produce flowers by August; started earlier, under glass, they will bloom in July. Flowers first appear at a height of 6 inches and eventually the plants grow to 2 feet.
Blue **White** **Mixed**
 Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

PHYSALIS Francheti (Chinese Lantern). **Perennial.** Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. 2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

PHYSOSTEGIA (False Dragonhead)

Virginica. **Perennial.** Bears spikes of delicate lilac, tubular flowers. 4 ft. Pkt. 15 cts., 1/4oz. 75 cts.
Virginica alba. **Perennial.** White. 3 ft. Pkt. 15 cts., 1/4oz. \$1.

POLYANTHUS (Primula elatior)

Perennial. Immense trusses of large flowers on 10-inch stems. Seed is sown in early summer, and the plants transferred to their permanent positions in the autumn. Give a covering of litter over winter.
Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.50.
Blue Beauty. Excellent strain of the blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

GEM-LIKE PORTULACA

Sun-Plant

Annual. Of easy culture, thriving best in a rather rich, light loam or sandy soil and sunny situation. The flowers are of the richest colors and are produced throughout the summer in great profusion. Fine for massing in beds, edgings on rockwork, and frequently used to sow broadcast over sunny banks, etc. Grows no higher than 6 inches.

Single Grandiflora

Alba. Pure white.
Aurea. Deep golden yellow.
Rosea. Beautiful rose.
Splendens. Crimson.

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50
 Finest Mixed, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Double Grandiflora

Alba. White.
Rosea. Rose.
Salmonea. Salmon.
Splendens. Crimson.
Sulphurea. Yellow.

Each, pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25
 Finest Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

POLEMONIUM (Jacob's Ladder)

Perennial. Popular border plant, with bell-shaped flowers nearly 1 inch across. 2 ft. May-July.
Ceruleum grandiflorum. Deep blue.
Album. Pure white.
Richardsoni. Sky-blue.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

POTENTILLA (Cinquefoil)

Perennial. Charming plants for the mixed border, producing brilliant flowers. Will thrive in almost any soil provided the situation is sunny.
Argentea calabra. Yellow flowers all summer. 1 1/2 ft.
Nepalensis (formosa). Red. 1 1/2 ft.
Miss Willmott. Rose. 6 in.
 Each, pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 85 cts.

PUERARIA

Thunbergiana (Kudzu Vine). **Half-hardy Perennial.** Climbing plant, reaching 10 feet the first year from seed, and thereafter, 50 feet in a season is not unusual. Its foliage is large and covers well. Racemes of rosy purple blossoms in August. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

PYRETHRUM (Painted Daisy)

Perennial. The first-named variety is the well-known Golden Feather so much used for carpet bedding; the others are most attractive hardy plants with daisy-like flowers.
Aureum (Golden Feather). This half-hardy perennial plant is grown as an annual. Valuable for edging. 6 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.
New Double Hybrids. A beautiful perennial and one of the finest for cutting. We offer a wonderful strain with large, very double flowers in distinct shades of pink, salmon, scarlet, and pure white. 2 1/2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.
Single Hybrids. Our single strain of this beautiful hardy perennial has been grown specially for us in England. The cosmos-like flowers range in color from the palest pinks to deep red. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

RAMONDA

Pyrenaica. **Perennial.** A rare and beautiful hardy plant for the alpine garden. Grows 4 inches high; violet-purple flowers in early spring. Pkt. 50 cts., 3 pkts. \$1.25.

RANUNCULUS

Asiaticus. **Perennial; treat as an Annual.** From a wild, large-flowered type, a variety of reds, yellows, orange, etc. have been produced. Includes singles, semi-doubles, and doubles. Height 1 ft.
Tecolote Giants. Red and yellow, mixed.
Palestine Strain. A mixture of all colors.
 Each, pkt. 35 cts., 3 pkts. \$1
New Zealand Hybrids. Large buttercup-shaped flowers in a wide range of color. Greenhouse plant sown in spring to bloom 12 months later. Pkt. \$1, 3 pkts. \$2.50.

Primula (Primrose)

GREENHOUSE PLANTS AND HARDY PERENNIALS

The charming and beautiful Fimbriata and Obconica varieties are among our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Dazzler. One of the most vivid of all flowers for the greenhouse; its color is the flaming orange-red of sunset. It is very free flowering, often showing as many as twenty of the fringed blooms on a single plant at one time. Holds its blossoms for a long period. Pkt. \$1, 3 pkts. \$2.50.

Giant Varieties

Amaranth. Clear amaranth-red.

Crimson. Fine ruby.

Emperor. Terra-cotta-scarlet.

Salmon. An exquisite color.

Magnifica or True Blue. The finest blue.

Pink Pearl. Brilliant rose; large.

White Queen Alexandra.

Each, pkt. 75 cts., 3 pkts. \$2

COLLECTION: Pkt. each, above 7 colors, \$5

Single Sinensis Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Double Sinensis Hybrids, Mixed. Double fringed flowers. Pkt. 75 cts., 3 pkts. \$2.

Primula stellata (Star Primrose)

These are graceful plants and bloom very freely.

White Star

Salmon-Pink Star

Crimson Star

Blue Star

Coral-Pink Star

Mixed

Each, pkt. 75 cts., 3 pkts. \$2

COLLECTION: Pkt. each, above 5 colors, \$3.50

Primula malacoides

Malacoides (The Giant Baby Primrose).

The flowers, of a pretty light lilac, are borne in whorls. Pkt. 25 cts., 5 pkts. \$1.

Snow Queen. Large, perfect, white blossoms. Pkt. 50 cts., 3 pkts. \$1.25.

Courtland Seedling. Individual flowers are extremely large and of a beautiful shade of lilac-pink. Pkt. 50 cts., 3 pkts. \$1.25.

Dawkin's Carmine-Pink. Fine shape, sturdy growth, and abundance of flowers are its good points. Deep and rich glowing carmine-pink. Pkt. 75 cts., 3 pkts. \$2.

Flore-pleno. Double and semi-double mauve flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Princess Mary. Flowers of good size. Deep rose-pink. Pkt. 50 cts., 3 pkts. \$1.25.

Ericksoni Hybrids. The size of the flower and the form of the plant is superior to the ordinary type.

Brilliancy. Opens lavender-pink, changes to crimson-red. Pkt. \$2.

Salmon Beauty. True salmon. Pkt. \$2.

Snow King. The pure white the florist has been waiting for. Pkt. \$2.

Wonder Baby. A beautiful pink. Pkt. \$2.

Baby Rose. Very deep pink, some almost red. Pkt. \$2.

Baby Doll. A deep pink with frilled flowers. Pkt. \$2.

New Baby. Near lavender-pink. The strongest grower with the largest flowers. Pkt. \$2.

Ericksoni Hybrids, Mixed. Originator's stock. Pkt. \$2.

Primula obconica

Our improved strains outrival the old types, the flowers being considerably larger, often measuring 2 inches across.

Atrosanguinea, Mohnstein. Bright crimson. Pkt. 50 cts., 3 pkts. \$1.25.

Atrosanguinea, Mueller. Deep crimson. Pkt. 50 cts., 3 pkts. \$1.25.

Rosea, Mueller. Bright rose. Pkt. 50 cts., 3 pkts. \$1.25.

Cerulea. Light blue flowers, 1½ inches across. Splendid novelty for the greenhouse man. Pkt. \$1, 3 pkts. \$2.50.

Gigantea alba. Pkt. 25 cts., 5 pkts. \$1.

Gigantea lilacina. Beautiful lilac. Pkt. 25 cts., 5 pkts. \$1.

Gigantea Mixed. Pkt. 25 cts., 5 pkts. \$1.

Glory of Farmingdale. Bright rose flowers, large, and well set on strong, sturdy plants. The grower will have few discarded plants with this strain. Pkt. \$1.50, 3 pkts. \$4.

Various Greenhouse Sorts

Forbesii (The Baby Primrose). The plants throw up tiny flower-stalks when only a few weeks old, but we advise keeping them pinched back until October.

Kewensis. This variety is most attractive, with bright yellow, fragrant flowers.

Each, pkt. 25 cts., 5 pkts. \$1

Hardy Primulas

Auricula. See page 17.

Beesiana. Purple with yellow eye. 2 ft. Pkt. 25 cts.

Bulleyana hybrida. Orange, apricot, and carmine shades. 2 ft. Pkt. 25 cts.

Cashmeriana. Lilac flowers in dense heads. 1 ft. Pkt. 50 cts.

Chionantha. Mealy foliage. White flowers with dark centers and yellow tubes. Fragrant. 20 in. Award of Merit, Royal Horticultural Society. Pkt. 25 cts.

Chungensis. Deep orange-yellow, fragrant flowers. 15 in. Pkt. 35 cts.

Denticulata. Rosy lilac. 1 ft. Pkt. 50 cts.

Florindæ. Bears fragrant, yellow, pendent flowers. July, Aug. 4 ft. Pkt. 35 cts.

Helodoxa. Golden. 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Japanese Primrose). White flowers with pink centers. 2 ft. Pkt. 25c.

Japonica, Etna. Copper-red. 2 ft. Pkt. 35c.

Japonica splendens. Dark crimson. 2 ft. Pkt. 35 cts.

Japonica, Choice Hybrids, Mixed. Bright, showy flowers. 2 ft. Pkt. 25 cts.

Lissadel, Red Hugh. Fiery madder-red. 1 ft. Pkt. 25 cts.

Microdonta, Alpicola. Yellow flowers, with powdered white throat. 1½ ft. Pkt. 25 cts.

Multiflora, Red Shades and Lilac Shades. See page 12. Each, pkt. 75 cts.

Polyanthus. See page 37.

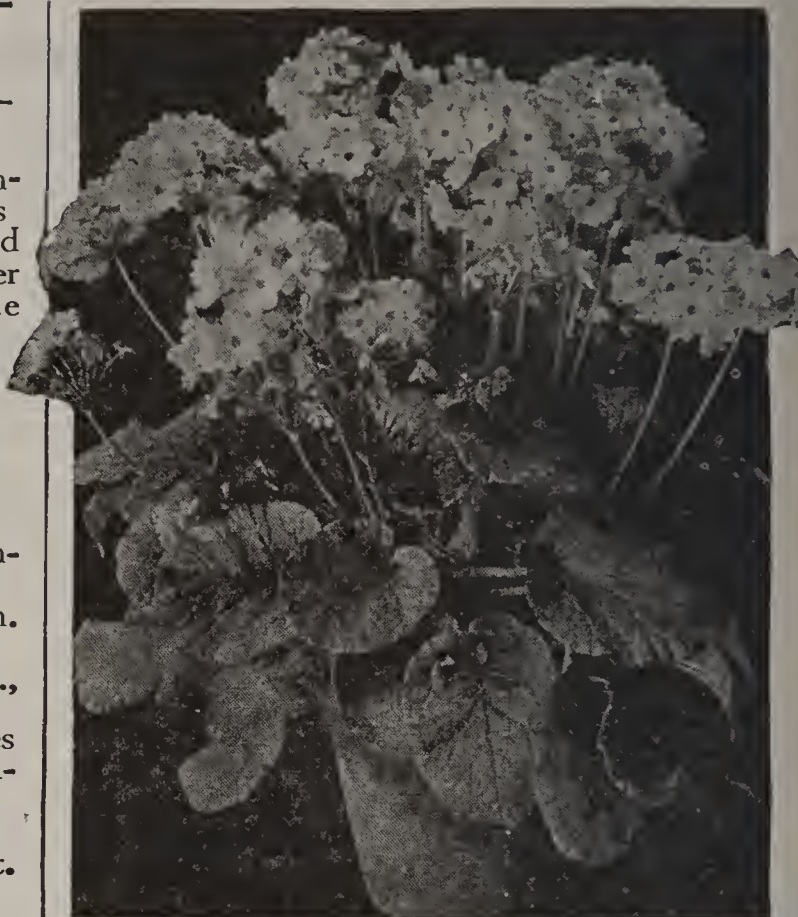
Pulverulenta. Crimson. 1½ ft. Pkt. 25 cts.

Sikkimensis (The Sikkim Cowslip). Pale yellow; fragrant. 1½ ft. Pkt. 25 cts.

Veris (The English Cowslip). Mixed colors. 1 ft. Pkt. 15 cts.

Vulgaris. The true English Primrose. Canary-yellow; fragrant. 6 in. Pkt. 15 cts.

Waltoni. Dark red, wine-colored, glossy flowers. 15 in. Pkt. 35 cts.



Primula obconica

Poppies

Annual Poppies should be sown in spring where they are to remain, as they do not transplant readily. Thin to 6 inches. Seed may also be sown in autumn for flowering next year.

Double Annual Varieties

Cavalcade. A begonia-flowered double type of Shirley Poppy of a rich orange-scarlet. If the flowers are gathered as the bud is bursting, they open fully and lend themselves admirably for floral arrangements. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

New Double Shirley Poppies. A new double type with very beautiful and graceful flowers.

Mixed. All colors. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Carnation-flowered Varieties

These striking double Poppies attain a height of 2½ feet.

Bright Rose

Shell-Pink

Mikado. Red, white striped.

Heliotrope

White Swan

Cherry-Red

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

Mixed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Cardinal Alldouble. Large-flowered sort, similar to the Carnation-flowered Poppy, but dwarfier. The important thing is that all the flowers are absolutely double. Their color is brilliant cardinal-red. 2 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Peony-flowered Varieties

These beautiful flowers have the shape of a bursting bomb—similar to a large peony. Height 2½ ft.

Bright Rose

Creamy Yellow

White

Cardinal-Red

Shrimp-Pink

Pansy-Violet

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

Mixed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Other Poppies are offered on page 41



TWO NEW "WELWYN" SALVIAS

SINCE we were privileged to introduce the pink Salvia WELWYN, which was bred and developed on the estate of Mrs. Harold I. Pratt, Glen Cove, Long Island, many inquiries have come to us for a white variety similar in habit and character to the meritorious pink. We are fortunate now in being able to offer, for the first time this year, a companion variety in pure white. Like the pink Welwyn, it blooms freely and is at its best from mid-August until killed by frost. Where the Scarlet Sage would otherwise be objectionable on account of its color note, Welwyn Pink, with its charming hue, and Welwyn White, its partner, will be found ideal. Before the blooming period, few plants are as valuable as these Salvias for green garden effect for border use.

Under ordinary culture, plants reach a height of 3 feet and are entirely covered with blooms of large size on fine strong spikes.

WELWYN PINK • WELWYN WHITE

Each, pkt. (50 seeds) 25 cts., 5 pkts. \$1

CULTURE.—Salvia seed does not germinate as easily as many other annuals which are sown indoors in early spring in florists' flats or seed-pans. One of the mistakes the average amateur makes is too frequent watering during the germination period. Seed should be sown in finely sifted soil and barely covered. The soil should be moistened and the flat or seed-pan covered with glass or newspaper and allowed 12 to 18 days to germinate. After positive growth has started, water sparingly. Most failures are due to keeping soil too wet rather than just moist during the germinating period.

OTHER SALVIAS ARE OFFERED ON PAGE 42

S. & W. CO.'S MIDGET ZINNIAS

While the Giant Zinnias are very popular and have their place, many gardeners greatly enjoy the tiny miniature forms which skilled plant-breeders are now giving us. Plants are dwarf and compact, averaging 1½ feet high, so that they make good edging material. The tiny flowers are delightful for house decoration.

The strain we offer is better than the usual Lilliput type. The small flowers, averaging 1½ inches in diameter, are borne on sturdy stems just right for cutting. We offer 6 distinct colors:

1. Canary Gem. Canary-yellow.
2. Golden Gem. Golden orange.
3. Salmon Gem. Salmon-rose.
4. Scarlet Gem. Scarlet.
5. Crimson Gem. Crimson.
6. Pink Gem. Pale pink.

Any of the above: Pkt. 15 cts., ¼oz. 60 cts., oz. \$2

Special Collection Offer: One pkt. each of the 6 colors **50 cts.**

OTHER ZINNIAS ARE OFFERED ON PAGES 13, 40 and 47



ZINNIAS • *Double Dahlia-Flowered*

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals.



Four Brilliant Colors

1. Scarlet Flame
2. Exquisite
3. Canary Bird
4. Crimson Monarch

Each color, pkt. 15 cts.,
1/4oz. 60 cts., oz. \$2

Special Collection Offer

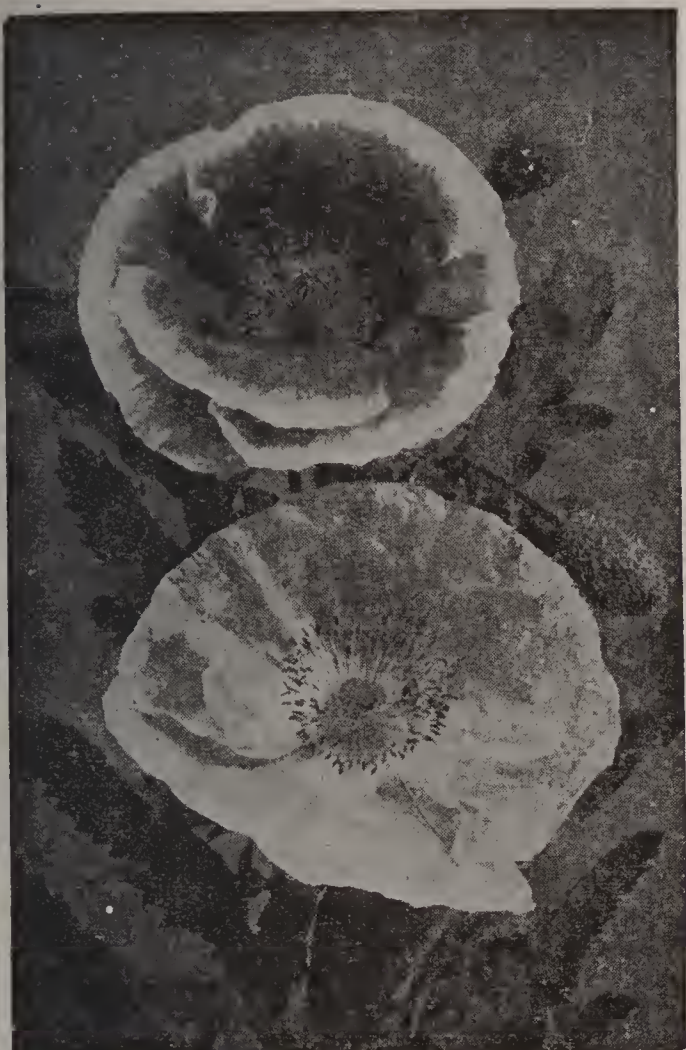
One pkt. each of
above 4 colors **50 cts.**

Other Zinnias are offered on pages 13,
39 and 47

ZINNIAS have gained more in popularity than any of our annuals because they are so easy to grow and so satisfactory. Plant-breeders have tried to excel one another in improving existing forms and bringing new ones each year to the attention of the flower-lover. We are offering some of the newer varieties which will soon, we feel sure, become popular in your gardens. Few, if any, of the annuals have greater utility value. In the mixed border they may

be had in bloom from early summer until cut down by frost, and they are splendid also when used as a cut-flower for house decoration. In order to get best results, seed should be sown either indoors in a sunny window and the plants put out in the garden early in May, or started outdoors and plants transferred later. Leave at least 2 feet between plants, as they are robust growers and need sufficient space to attain maximum development.

Oh, Slumber Sweet in Yonder Fields, for There Bright Poppies Grow



Shirley Poppies

Single Annual Poppies

American Legion. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect, robust growth. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Shirley Poppies

The Shirley or ghost type is beautiful and graceful. It attains a height of 2 1/2 feet.

Salmon-Pink **Wild-Rose-Pink**
Pure White **Deep Apricot**
Picotee. White cup, scarlet edging.
Blue Shades. Gray-blue.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25
Finest Mixed, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.
COLLECTION: Pkt. each, above 6 colors, 50c.

Fairy Mixture. These have flowers measuring up to 6 inches in diameter, each having a Maltese cross of varying tint, and the mixture contains all art shades of pink, rose, salmon, and scarlet. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Admiral. A peony-flowered variety, having large flowers of glistening white, with a broad band of brilliant scarlet around the top. 3 ft.

Danebrog (Danish Cross). Large flowers of brilliant scarlet, with a silvery white spot on each petal, forming a white cross. 3 ft.

King Edward. Deep scarlet, shaded crimson-red, each petal marked with a black blotch against which the yellow anthers stand out in bold relief. 3 ft.

English Scarlet (Flanders). The scarlet Field Poppy of Europe.

Tulip Poppy (Papaver glaucum). Flowers are 3 inches across and closely resemble the brilliant scarlet Gesneriana tulip. 20 in.
Above 5 sorts, pkt. 10 cts., 1/4oz. 25 cts.

Hardy Perennial Poppies

Oriental Poppies (*Papaver orientale*)

Sow early in spring. Plants disappear in July and August, appearing again in cool weather. When this fall growth starts transplant to their permanent flowering quarters.

Scarlet. Pkt. 15 cts., 1/8oz. 50 cts.

Oriflamme. Gorgeous orange-scarlet. Pkt. 15 cts., 1/8oz. 50 cts.

Princess Victoria. Immense salmon flowers. Pkt. 25 cts., 1/8oz. 75 cts.

Finest Mixed. Pkt. 10 cts., 1/8oz. 50 cts.

Double Orientale. The plant bears numerous double flowers of a glowing, very striking orange-scarlet and measure 6 inches across. Pkt. 50 cts., 3 pkts. \$1.25.

Iceland Poppies (*Papaver nudicaule*)

Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issue slender flower-stalks about 1 foot high.

Yellow Wonder. See page 12.

The Emperor. See page 12.

The Empress. See page 12.

Each, pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50

Tangerine. This is a deep tangerine-orange, with flowers of enormous size.

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Fakenham Hybrids. You will be surprised at the range of color when you see this mixture in bloom. Brilliant. Cheerful.

Sanford's Giant Strain. The unusually long, extra-stout stems, bearing large flowers, make this kind valuable. All colors.

Each, pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1

Fine Single Iceland Poppies in separate colors. Groups of these in the perennial border are very effective in the spring.

Iceland, Scarlet **Iceland, Yellow**
Iceland, White **Iceland, Mixed**

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.75

Double Iceland Poppies

Mixed, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

Alpine Poppies (*Papaver alpinum*). This hardy perennial Poppy is one of the most beautiful rock and alpine plants with blooms in a marvelous color-range. 10 in.
Mixed. All colors. Pkt. 25 cts., 1/8oz. \$1.

Royal Poppy (*Meconopsis regia*). Hardy perennial from western Nepal. During late autumn and early spring the plants have flat rosettes of very beautiful silvery leaves. In spring three to four stems are produced, bearing large, handsome, yellow flowers on short stalks. High awards, R. H. S., England. Pkt. 50 cts., 3 pkts. \$1.25.

Tibetan Poppies (*Meconopsis Baileyi*). Recently discovered; believed to be the most beautiful Tibetan Poppy. A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

RHODANTHE

Annual; Everlasting. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. 1 ft.
Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

RUDBECKIA (*Coneflower*)

Annual Varieties

Kelvedon Star. A striking annual, and a valuable one for cut-bloom. As a specimen plant in the border it is a rampant grower, developing into a bush 3 feet high. The flowers vary somewhat, but all have dark brown centers, surrounded by a shining chocolate-mahogany zone, with deep orange or yellow on the outermost part of the florets. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.
My Joy. A new annual sort having bright orange flowers sometimes 5 inches across, with small centers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Perennial Varieties

Bicolor, Solfatare. Sulphur-yellow. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Bicolor superba. Yellow with brown center. 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Fulgida. Orange-yellow. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Newmani. Orange with purple cone. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Purpurea. Reddish purple. 4 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Hirta Hybrids. See page 12. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

REHMANNIA

Angulata. Greenhouse Biennial. Flowers 3 inches in diameter, rosy purple with yellow throat spotted with deep purple. Blooms nine months from sowing. 2 to 3 ft. Pkt. 25 cts., 5 pkts. \$1.

SALPIGLOSSIS (*Painted Tongue*)

Annual. The funnel-shaped blooms reveal their exquisite markings of either gold or silver veins running through the groundwork of the flowers.

Seeds may be sown in the open ground in spring, or for earlier flowering sow in a hot-bed or sunny window, and when all danger of frost is past, place in the garden, allowing 9 inches between the plants.

New Superbissima Hybrids

ORCHID-FLOWERING (Height 2 feet)

Brown and Gold **Purple and Gold**
Crimson **Scarlet and Gold**
Light Blue and Gold **Rose and Gold**
Primrose **Velvety Violet**

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION: Pkt. each, above 8 colors, \$1
Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

Dwarf Giant-flowered. See page 12.

Khaki Yellow **Blue and Gold**
 Bright Scarlet

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

SAPONARIA (*Bouncing Bet*)

Caucasica fl.-pl. Perennial. A double sort with white flowers tinted rose, all summer and fall. 15 in. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

Ocymoides. Perennial. A hardy rock-plant producing masses of small, bright rose flowers. 9 in. Pkt. 10 cts., oz. 60 cts.

Vaccaria, Rose. Annual. Pretty and useful annual variety, 2 feet high, and bearing satiny pink flowers somewhat like an enlarged gypsophila. Pkt. 20 cts., oz. 30 cts.

Vaccaria, White. Pkt. 10 cts., oz. 30 cts.

Two Invaluable Subjects—Salvia for Bedding; Scabiosa for Cut-Flowers

SALVIA (*Scarlet Sage*)

Annuals and Perennials

Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Harbinger. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, and is densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

America or Globe of Fire. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Scarlet Dragon. Improvement on the Splendens type, flowers being nearly double the size, closely crowding the immense spikes. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Splendens (Scarlet Sage). Bright scarlet. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.

Bonfire. The plants grow into compact bushes, about 2 1/2 feet high, and produce brilliant scarlet flowers. Pkt. 10 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

Zurich. Grows about 2 feet high. Especially valuable on account of its earliness. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

Blaze of Fire. See page 13. Pkt. 50 cts., 3 pkts. \$1.25.

Welwyn Pink. See page 39.

Welwyn White. See page 39.

Each, pkt. 25 cts., 5 pkts. \$1

Purple Splendens. Growing 2 1/2 to 3 feet high, uniform, and covered with purple flowers. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Horminum. Half-hardy annual. A pale violet-blue Salvia. Pkt. 10c., 1/4oz. 50c.

Patens (Blue Sage). Deep blue. Beautiful garden or greenhouse tender perennial. 2 ft. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Patens, Mauve Queen. See page 13. Pkt. 50 cts., 3 pkts. \$1.25.

Sclarea (Clary). Perennial, treated as an annual. Curious lavender bracts. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Azurea grandiflora. Perennial, producing sky-blue flowers. Aug., Sept. 4 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea. Perennial grown as an annual. Seeds sown in May bloom from July to frost. Light blue. 2 1/2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea, Blue Bedder. Perennial, treated as an annual. Seed sown early in spring produces flowers from July to October. Compact, and deeper blue. Fine for cutting. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Dichroa magnifica. Perennial. Stately plants with long spikes of deep lavender-white flowers. 3 ft. Pkt. 35 cts., 3 pkts. \$1.

SAINTPAULIA (*African Violet*)

Greenhouse Annual. Of interest to the professional for conservatory decoration.

Ionantha cordata. Dark foliage plant, with large deep lavender flowers.

Kewensis. January sowings last from July well into the winter. Shining blue flowers.

Each, pkt. 50 cts., 3 pkts. \$1.25

SANVITALIA procumbens fl.-pl. Annual. Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. 6 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.



Salvia, Blaze of Fire. See page 13

SCHIZANTHUS

Butterfly or Fringe Flower

Annual. Although grown largely as a greenhouse plant, this annual is also of easy culture outdoors in any good garden soil.

Canadian Super-Giants. Blooms 2 inches across! Rich colorings and unusual markings; distinct and superior. We offer seed from the introducer. Pkt. \$1, 3 pkts. \$2.50.

Giant-flowering Hybrids. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. **Mixed.** Pkt. 50 cts., 3 pkts. \$1.25.

Wisetonensis. Beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. 15 in. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.

Dwarf Hybridus grandiflorus. Compact habit, with a great range of bright and handsome colors. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Snowflake. Large, pure white flowers. Beautifully fringed. Pkt. 50 cts., 3 pkts. \$1.25.

SEDUM (*Stonecrop*)

Perennial. Dwarf hardy plants for the rock-garden and for carpet bedding.

Acre. Yellow. 6 in.

Album. White. 6 in.

Middendorffianum. Yellow with dark foliage. 6 in.

Spurium. Rose. 6 in.

Stoloniferum coccineum. Scarlet. 6 in.

Each, pkt. 35 cts., any 3 pkts. \$1

SAXIFRAGA cordifolia. Perennial. Well-known rock-garden plant with pink flowers. 9 in. Pkt. 35 cts., 3 pkts. \$1.

S. primuloides. Small white flowers, spotted red. May, June. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

SENECIO clivorum, Orange Queen (Groundsel). Perennial. Forms a neat clump 4 feet high, on which develop yellow flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

SIDALCEA (Checkerbloom). Perennial. Erect mallow-like plants of easy culture.

Rosy Gem. Rose-colored. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Stark's Hybrids. Brightly colored. Useful for cutting. Pkt. 25 cts., 1/4oz. \$1.

SCABIOSA (*Mourning Bride*)

These beautiful annuals grow about 2 1/2 feet high and bloom from early in July until frost. Sow seeds in the open in spring.

Tall Annual Varieties

Blue Cockade. Pure, deep lavender-blue, truly double flowers. A.M., Wisley, Eng.

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. Large flowers.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blossoms.

Shasta. Pure white, with immense blooms 3 to 4 inches in diameter.

Loveliness. See page 13.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Rosette. Beautiful deep rose, suffused with salmon; extra-large flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Orchid Shades. See page 13. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Salmon Beauty. See page 13. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Six Distinct Colors (See page 30)

Azure Fairy. Lavender-blue.

King of the Blacks. Purplish black.

Rich Red. White.

Shell-Pink. Yellow.

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 6 varieties, 50c.

Tall Mixed.

Dwarf Mixed.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Dwarf Annual Varieties

Coral Rose. Small compact plant. The individual flowers are large and their color is a hue of coral between salmon and rose. 8 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Fiery Scarlet. The brightest red variety, being a brilliant shade of scarlet-cerise. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Perennial Varieties

Giant Hybrids (Isaac House Strain).

Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. **Mixed.** Pkt. (50 seeds) 35 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Caucasica (Blue Bonnet). Especially valuable for cutting; lilac-blue. 3 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Caucasica alba. Pure white. 3 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Japonica. Bushy plants 2 1/2 feet high, bearing on long stems beautiful, lavender-blue flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Fischeri. The flowers are about 2 1/2 inches in diameter, borne on long, stiff stems, and are of a rich deep violet-blue shade. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

SILENE (*Catchfly*)

Pendula compacta. Annuals with single or double, red, pink, or white flowers. 6 in. **Mixed.** Pkt. 10 cts., 1/4oz. 30 cts.

Alpestris. Perennial. White flowers all summer. 4 in. Pkt. 15 cts., 2 pkts. 25 cts.

Schafta (Autumn Catchfly). Perennial. Bright pink flowers from July to September. 4 to 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

SOLANUM Capsicastrum (Jerusalem Cherry). Greenhouse Plant. For winter decoration. Dwarf, branching plants, bearing bright scarlet globular berries. 1 ft. Pkt. 15 cts., 2 pkts. 25 cts.

S. Capsicastrum, Fra Diavolo. Greenhouse Plant. Compact growth, with smaller and lighter foliage. Pkt. 25 cts., 5 pkts. \$1.

For a Fragrant and Beautiful Annual Garden, Plant Giant Imperial Stocks

STOCKS

ANNUAL

These fragrant and beautiful flowers deserve a place in every garden.

The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials but if sown in early spring will bloom the same year; also valuable for winter forcing.

S. & W. Co.'s Early Giant Imperial

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2½ feet high.

Antique Copper. Rich hellebore-red, overlaid with copper, giving a pleasing old reddish antique copper effect. Fully double.

Buttercup. An improved new yellow Stock of a rich deep tone. The percentage of doubles is exceptionally high.

Elk's Pride. An intense royal purple growing over 2 feet high. This stately plant is a mass of large, sweetly perfumed, double flowers.

Shasta. A new, glistening, giant white, with longer stems and more blooms to the stem. Produces a high percentage of doubles.

Each, pkt. 35 cts., ½oz. \$1, ¼oz. \$1.50

Ten Outstanding Colors

Chamois-Rose	Deep Rose
Golden Rose	Old-Rose
Apple Blossom	Canary-Yellow
Dark Blue	White
Lavender	Mixed
Blood-Red	

Each, pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25

Super-Giant Imperial. See page 12.

Rose Charm Blue Charm

Each, pkt. 50 cts., 3 pkts. \$1.25

Non-Branching or Columnar. See page 12. Nine colors and Mixed. Each, pkt. 75 cts., 3 pkts. \$2.

Giant-flowering Beauty Stocks

A fine strain of winter or Brompton Stocks, 2 feet high, and having numerous spikes of large, double, delightfully fragrant flowers of special value as pot-plants and for cutting during the winter months. For this purpose seed should be sown from July to September; if sown in February or March, will produce plants that will bloom from midsummer to frost outdoors.

Christmas Pink. Long trusses of double blooms of an exquisite light pink. From seed sown in midsummer, plants may be had in flower during winter in the greenhouse. Pkt. 50 cts., 3 pkts. \$1.25.

Twelve Outstanding Varieties

Almond Blossom. White, shaded carmine.
American Beauty. Deep rose-pink.
Aurora (Chamois). Cream, tinted pink.
Beauty of Nice. Delicate pink.
Crimson King. Rich blood-crimson.
Lloyd George. Blood-red.
Mont Blanc. Purest white.
Monte Carlo. Canary-yellow.
Old Rose. Beautiful shade of old-rose.
Queen Alexandra. Beautiful lilac.
Salmon King. Salmon-rose.
Summer Night. Rich deep blue.
Mixed.

Each, pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1

Perfection Stocks, Mixed. These are of pyramidal habit and grow 2 feet high. The assortment contains many hues and tints. Pkt. 15 cts., ½oz. 40 cts., ¼oz. 75 cts.

Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

Outstanding Varieties

Apollo. Soft salmon-pink self, a charming and appealing shade blending perfectly with most pink and lavender tints. The flowers are unusually large, nicely waved, splendidly placed, and the stems very long.

Blue Bonnet. Beautiful, clear deep blue color and large. No trace of mauve.

Above two, Pkt. 20 cts., ½oz. 60 cts., oz. \$1

Delicious. The color is described as crushed strawberry and Devonshire cream. Its habit, length of stem, and shape of flower are everything that they should be.

Early Daphne. Fine variety which usually carries four or more flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded silver medal at 1937 New York Flower Show.

Early Mars. Clear ox-blood crimson; retains its color throughout the life of the flower. Usually four blossoms.

Evening Star. We may expect four and five blooms on a stem to every plant! The color is a brilliant orange-scarlet with a suffusion of orange; the wings are lighter.

Above four, Pkt. 35 cts., ½oz. \$1.25, oz. \$2

Exposition Pink. A gorgeous rich pink, one of the most fascinating colors ever introduced.

Florist Blue. The best clear blue Sweet Pea, with a more vigorous habit and longer stems than any of this color hitherto. Normally has four blooms to a stem.

Florist Rose. Stems are exceptionally long, and the pure rose-pink is both rich and deep. Four immense blooms to a stem.

Lavanda. Excels in size of bloom, length of stem, and general vigor. A pure lavender, clear and uniform; beautifully waved.

Above four, Pkt. 25 cts., ½oz. 75 cts., oz. \$1.25

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue. Pkt. 35 cts., ½oz. \$1.25, oz. \$2.

Shirley Temple. Enormous blooms of a rich and beautiful soft rose-pink color. Pkt. 20 cts., ½oz. 60 cts., oz. \$1.

Sparkle. The color is bright, clear, vivid scarlet, quite sunproof, and the flowers are large. Pkt. 20 cts., ½oz. 60 cts., oz. \$1.

Tahoe. This exceptionally vigorous plant carries large, self-colored flowers of mid-blue, on long stems, of course. Pkt. 35 cts., ½oz. \$1.25, oz. \$2.

Top Hat. The large and waved flowers are a velvety deep violet. They are borne on long, stiff stems by a plant of exceptional vigor. Pkt. 30 cts., ½oz. 85 cts., oz. \$1.50.

Valencia. The best orange in cultivation. A very bright color, and absolutely sunproof. Pkt. 25 cts., ½oz. 75 cts., oz. \$1.25.

Virginia. A mammoth flower—it is 2½ inches across—which is rich rose-pink on a white ground. Pkt. 35 cts., ½oz. \$1.25, oz. \$2.

White Harmony. The flowers are large, and pure paper-white. The seeds are black. Pkt. 20 cts., ½oz. 60 cts., oz. \$1.

Other Good Sorts

Early Blue Bird. Wedgwood blue.

Early Giant Rose. Rose-pink.

Early Lavender King. Rich lavender.

Early Majestic Rose. Deep brilliant rose-pink.

Early Mrs. Kerr. Best salmon-pink.

Early Redwood. Bright, rich crimson.

Early Snowstorm. Good white; vigorous.

Early Triumph. Beautiful lilac-mauve. Long.

Zvolanek's Rose. Deep rose-pink.

Each, pkt. 15 cts., ½oz. 40 cts., oz. 75 cts.

Early-flowering Mixed. A mixture of all the colors. Pkt. 15 cts., ½oz. 35 cts., oz. 60 cts.

STATICE (Sea Lavender)

Annual and Perennial; Everlasting. Cloud-like masses of flowers make borders gay for a long time, while their color and graceful habit blend well with other Everlastings. Sow outdoors early in May.

Annual Varieties

Sinuata, Kampf's. Deep blue flowers, large and fine. Excellent for cutting. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Sinuata, Mauve. Clear mauve. 2 ft.

Sinuata, Rose Superba. Rose. 2 ft.

Sinuata, Blue. Rich deep blue. 2½ ft.

Sinuata, White. Excellent for dyeing.

Sinuata, Yellow (S. Bonduelli). Bright yellow. 3 ft.

Sinuata, Mixed.

Suworowi. Cloud-like masses of rose. 2 ft.

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1, except where noted

Perennial Varieties

Dumosa. The color effect of the dried flowers of this Sea Lavender is pure silver. 2 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Latifolia. Blue. 2½ ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.



Giant Imperial Stocks

Sow Sweet Peas Early in Rich Land. These Are Among the Best Sorts

Summer-Flowering Sweet Peas

For Growing in the Garden

CULTURE.—Sow seed as soon as the ground can be worked in the spring. Dig a trench about a foot wide and deep, and fill in with 6 inches of well-rotted stable manure; tread down firmly and replace the good garden soil. Draw a single straight line in the middle of the prepared surface, about $\frac{3}{4}$ inch deep; sow seed at even distances of about 3 inches, and cover. When the plants grow about 3 or 4 inches high, thin out to 6 inches from each other. As soon as the vines reach a height of about 8 inches, proper supports should be provided.

The Sweet Pea is a moisture-loving plant, and by the month of May the plants will require water. Use a mulch of old stable manure, Sawconure or peat moss and soak well as needed.

Abundance. See page 13. Pkt. 35 cts.

Affection. Very sweet and graceful, coral-pink on cream, growing strongly and producing its flowers on long stems—often five to a stem. Pkt. 20 cts., oz. 75 cts.

Ambition. One of the best of the large-flowering lavender sorts. The flowers are waved. Pkt. 10 cts., oz. 35 cts.

Artiste.* Handsome, glowing clear geranium-pink of great beauty. Wings and standards are alike in color. Frequently four flowers to the stem, and the stems are long. Pkt. 20 cts., oz. 75 cts.

Atlantic. A distinct variety, and especially beautiful under artificial light. The color is geranium-pink, suffused with amber, and with a lace-like netting of cherry-blossom-pink. Pkt. 20 cts., oz. 75 cts.

Blue Bell. Clear blue, the large flowers being carried on fine long stems. An exceptional variety for the exhibitor, and it is distinctive in size and texture. Sprays of four beautiful frilled flowers are produced freely and nearly every bloom is duplex. Pkt. 10 cts., oz. 35 cts.

Blue Flame. A large dark blue Sweet Pea. It is deeper than anything in the blue class. Fine long stems, and the flowers are very sweet scented. Pkt. 10 cts., oz. 35 cts.

Bonnie Ruffles. The large, fragrant flowers are salmon-pink on rich cream, and they are borne on sturdy 10-inch stems. A vigorous grower, Bonnie Ruffles won the Gold Medal of the Scottish National Sweet Pea Society in 1936; also the Award of Merit of the National Sweet Pea Society of Great Britain. Pkt. 20 cts., oz. 75 cts.

Bridal Veil. See page 13. Pkt. 20 cts.

Capri.* We believe this to be the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties. Pkt. 20 cts., oz. 75 cts.

Charity. This is, without a doubt, the finest rich brilliant crimson which does not burn in the sun. A vigorous grower. Pkt. 10 cts., oz. 35 cts.

Cheerio. The deep begonia-rose blooms are suffused with gold; they are mammoth in size and are freely produced by the vigorous plants. Pkt. 20 cts., oz. 75 cts.

Chinese Blue.* Both standard and wings are a uniform, true, deep blue. Stems are exceptionally long and usually bear four flowers throughout the plant. Unusually strong-growing variety, with blooms larger than average. Pkt. 20 cts., oz. 75 cts.

Diana. See page 13. Pkt. 35 cts., oz. \$1.50.

Discovery. See page 13. Pkt. 35 cts.

Ecstasy.* Entrancing shade of blush- or light pink. The flowers are very large and bold, and they are waved. Well placed on long stems. Pkt. 10 cts., oz. 35 cts.

Eventide. Eosine-pink with a gold shading. Large, vigorous, and fine. Modern sort, exemplifying the latest development in Sweet Peas. Pkt. 25 cts., oz. \$1.

Flagship. See page 13. Pkt. 20 cts., oz. 75 cts.

Flora. The outstanding lavender variety for 1936. Color is clear lavender-lilac and the flowers are exceptionally large. A strong, vigorous variety, producing flowers on long stems. Pkt. 20 cts., oz. 75 cts.

Golden Dragon. See page 13. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

Grandeur. See page 13. Pkt. 35 cts.

Grand Slam. Bright scarlet-cerise, with a suffusion of orange—beautiful and brilliant. Sunproof. Pkt. 20 cts., oz. 75 cts.

King Lavender. See page 13. Pkt. 35 cts.

Kitty Pierce. (Duplex Type.) One of the most charming of Sweet Peas. Both wings and standard are of a soft, light lilac, and spreading through the flower is a delicate suffusion of blush-pink. Pkt. 20c., oz. 75c.

Lady Ruffles.* The warm glow of beautiful soft pink on a ground of white runs down to the base of the standard and wings. A robust variety. Pkt. 20 cts., oz. 75 cts.

Life. See page 13. Pkt. 20 cts., oz. 75 cts.

Lullaby. Very long stems, usually with four flowers to a stem, may be expected from this new sort. The color combination is a charming light rose-pink on a white ground. Pkt. 20 cts., oz. 75 cts.

Mastercream.* The stems are long, and they carry beautifully frilled flowers, most of which are duplexed; they are very large and cream in color. Black seed. Pkt. 20 cts., oz. 75 cts.

Maytime. See page 13. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

Model. A very large-flowering white with long stems. The blossoms are well waved. Seeds are black. Pkt. 10 cts., oz. 35 cts.

Peer. See page 13. Pkt. 35 cts., 3 pkts. \$1.

Peggy Ann. A distinct, rare, and new shade in salmon-pink—clear and glowing. Especially fine under artificial light. Delightfully fragrant. Pkt. 20 cts., oz. 75 cts.

Personality. One more of the modern hues—a charming coral-chamois-pink that is quite sun proof. Vigorous and floriferous variety. Pkt. 20 cts., oz. 75 cts.

Pinkie. Strong stems bear a profusion of flowers throughout the season. Deep rose-pink. Pkt. 10 cts., oz. 35 cts.

Pinnacle. A true deep hue, sparkling and lively, with standard and wings alike in color. Vigorous in growth. Produces flowers in great abundance. Pkt. 25 cts., oz. \$1.

Pirate Gold.* A new tint of deep golden orange that is most pleasing. The large blossoms are very resistant to strong sunlight. Pkt. 10 cts., oz. 35 cts.

Royal Purple. Without a doubt this is the finest rich royal purple. A large-flowering variety. Pkt. 10 cts., oz. 35 cts.

Sentinel. A glowing deep salmon-cerise on cream. Vigorous grower and the large flowers are well placed on exceptionally long stems. Pkt. 25 cts., oz. \$1.

Sextet Queen.* Pure white. Has five to six blooms on a stalk. Pkt. 10 cts., oz. 35 cts.

Stylist. This may be described as a much improved Pinkie. The blooms are a clear, deep rose-pink. Pkt. 20 cts., oz. 75 cts.

The Sultan.* Almost black—deep silky maroon. Large flowers on long, strong stems. Pkt. 10 cts., oz. 35 cts.

Welcome.* Most brilliant and dazzling scarlet Sweet Pea. The wings are exactly the same shade as the standard, giving the flower its magnificent self-color effect. Pkt. 10 cts., oz. 35 cts.

Yellow Tip. See p. 13. Pkt. 35 cts., oz. \$1.25.

Collection of Outstanding Sweet Peas

One packet each of the 10 recent introductions of merit, distinguished in the preceding list with an asterisk (*)... **\$1.00**

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of all colors and varieties of our Summer-flowering Sweet Peas for this mixture, using only the finest ruffled and long-stemmed sorts. For general use and garden display, Sweet Pea mixtures of this high type are quite satisfactory.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.25

Special Color Collection of Sweet Peas

For the gardener who desires to grow the best Sweet Peas, but is not interested in names.

Each is the most pleasing of its color with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three and four fragrant blossoms.

Ten Distinct Colors

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmine
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SPECIAL COLLECTION 75c
One pkt. each of these 10 distinct colors

Grandiflora Sweet Peas

Old-fashioned Sweet-scented Varieties

We offer a mixture of the old-time Sweet Peas which we recommend for their ease of culture, and their delightful fragrance.

Grandiflora Sweet Peas, Mixed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Fantasy Mixture. Every flower is beautifully veined, blotched, and striped, one color on another. Flowers from this mixture make an attractive bunch, not only on account of their wide color-range, but also for their fragrance. Pkt. 35 cts., 3 pkts. \$1, oz. \$1.50.

HARDY PERENNIAL SWEET PEA

See Lathyrus.

STEVIA (*Piqueria*)

Serrata. Greenhouse and Bedding Plant. Free-blooming tender perennial, bearing a multitude of fragrant, pure white flowers. Suitable for summer bedding or winter blooming under glass. Excellent for cutting. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

STREPTOCARPUS

S. & W. Co.'s New Hybrids. A new race of the Cape Primrose, resembling the gloxinia. Plants compact; flowers about 2 inches in diameter, with long, tube-like corollas, borne in clusters of six to eight. Colors varied. Used for greenhouse decoration. Pkt. 50 cts., 3 pkts. \$1.25.

Have You Room for a Gigantic Annual? Then Grow Tithonia

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Well-known, attractive plant flowering the second season from seed. Sow outdoors in May; transplant in August.

Single White **Single Dark Crimson**
Copper-Red **Red, Edged White**
Black-Red **Single Mixed**

Each, pkt. 10 cts., 1/4oz. 50 cts.

COLLECTION: One pkt. each, 5 colors, 40 cts.

Double White **Double Black-Red**
Double Crimson **Double Pink**
Double Finest Mixed

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Newport Pink. Watermelon-pink, brilliant and beautiful. Flowers on stems 1 1/2 feet high. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scarlet Beauty. Rich, deep scarlet; vivid. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Holborn Glory. Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Sweet Williams. Height 9 in.

Single, Mixed **Double, Mixed**
Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Annual Sweet Williams. Sown indoors during March, these will bloom freely the first year. 9 in. **Mixed.** Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

ALPINE STRAWBERRIES. From Seed.

An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

Baron Solemacher. Red fruits.

Baron Solemacher. Yellow fruits.

Each, pkt. 35 cts., 3 pkts. \$1

We offer plants of Alpine Strawberries, ready May 1. \$2 per doz., \$10 per 100

STOKESIA cyanea (Cornflower Aster).

Perennial. A rare and beautiful plant. It grows about 2 feet high, bearing from twenty to thirty handsome lavender-blue cornflower-like blossoms which often measure 3 to 4 inches in diameter. Blooms from July till frost. For the perennial border and for cutting. Pkt. 15 cts., 1/4oz. \$1.

TAGETES signata pumila, Little Giant.

Annual. A dwarf, compact Marigold, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright yellow, striped brown. A first-class bedding and edging plant. 10 in. Pkt. 15 cts., 1/8oz. 50c.

TAHOKA DAISY. Sow in the open in early spring to produce plants which will bear 1 1/2-inch blue daisies from July to October. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

THALICTRUM (Meadow Rue)

Adiantifolium. *Perennial.* Foliage resembles the maidenhair fern; miniature white flowers in June and July. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Aquilegifolium. *Perennial.* Columbine-like leaves. Rosy purple flowers. June, July. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Dipterocarpum. *Perennial.* A real gem among hardy plants, not only for the garden, but its dainty, graceful sprays of flowers are invaluable for cutting. They are violet-mauve, which is brightened by a cluster of lemon-yellow stamens. 3 ft. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

THERMOPSIS. *Perennial.* Striking plant, 4 feet tall, producing long spikes of yellow blossoms. June, July. Pkt. 25 cts.

THUNBERGIA (Black-eyed Susan). *Annual Climber.* Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. 4 ft. **Mixed.** All colors. Pkt. 10 cts., 1/4oz. 50 cts.

THYMUS Serpyllum (Thyme). *Perennial.* A valuable alpine. But 4 inches high, it is of trailing habit with bright lilac-purple flowers. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

T. Serpyllum coccineus. Red-flowered form of the above. Pkt. 25 cts., 5 pkts. \$1.

TITHONIA speciosa (Mexican Sunflower). *Annual.* Early-flowering strain. May be sown under glass and transplanted, or later in the open. Shrub-like plant 8 feet high. The orange-colored, daisy-like flowers are 3 to 4 inches in diameter. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TORENIA Fournieri. *Greenhouse and Bedding Annual.* For vases, hanging-baskets, borders, etc. Sky-blue flowers, bright yellow centers. Pkt. 15 cts.

TRITOMA

Red-Hot Poker; Flame Flower; Torch Lily

Perennial. Will live through winter with a covering of leaves or manure; or the roots may be carried over winter in sand in a cellar.

Express. Orange-yellow. 4 ft.

May Queen. Yellow. 2 ft.

Mixed Hybrids.

Each, pkt. 15 cts., 1/4oz. 75 cts.

TROLLIUS (Globe Flower)

Perennial. Like immense buttercups, these striking plants are very effective in the mixed border. Light soil, well drained, and a partly shaded position suit them admirably. They bloom from May to August.

Golden Queen. Enormous, buttercup-like golden flowers 4 in. across. 4 ft. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1.

Asiaticus. Orange. 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$3.50.

Europæus. Yellow. 2 ft. Pkt. 25 cts., 1/8oz. \$1.

Ledebouri. Orange. 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.50.

TRACHELIUM cæruleum (Throatwort).

Perennial. Flowers same year seed is sown. Blue flowers. 2 ft. Pkt. 25 cts., 5 pkts. \$1.

TYDÆA Hybrids. *Greenhouse Annual.* Sown in May, will bloom in December and continue for some time. Treatment similar to gloxinia. Pkt. 50 cts., 3 pkts. \$1.25.

URSINIA (Sphenogyne)

Anethoides. *Annual.* Excellent for edgings. The orange, daisy-like flowers have purple and black centers. 1 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Anethoides, New Hybrids. *Annual.* Each plant carries a hundred or more flowers at one time. All have florets of a delightful rich orange, but the coloring surrounding the disk varies in tone from ruby-red to dark purple. 1 1/2 ft. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.

Pulchra. *Annual.* A smaller type. Flowers deep orange. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Aurora. *Annual.* Daisy-like flowers, with a bright orange corolla, and a deep crimson inner ring. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.



Venidium fastuosum

VALERIAN (Garden Heliotrope)

Perennial. Pinnate foliage and panicles of heliotrope-scented flowers. 4 ft. June, July. **Red, White, Mixed.** Each, pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

VENIDIUM

Fastuosum. *Annual.* For the garden or for growth under glass. Height 2 to 3 feet, with daisy-like, orange flowers, 3 inches across, and black centers. Give the same general culture as celosia. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

Fastuosum Hybrids. *Annual.* Mixture includes white, cream, lemon, yellow, orange, and buff. Pkt. 50 cts., 3 pkts. \$1.25.

VERBASCUM

Olympicum. *Perennial.* The large leaves are covered with a silvery down, and above them rises a pyramid of bright yellow flowers. 5 ft. Pkt. 20 cts., 1/4oz. \$1.

Phœniceum Hybrids, Mixed. *Perennial.* Various shades from white through yellow to deep orange. 3 ft. Pkt. 15c., 1/4oz. 60c.

VERONICA

Spicata. *Perennial.* Bright blue flowers. 1 1/2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Spicata, Mixed. *Perennial.* Blue, Pink, and White. Pkt. 10 cts.

Amethystina. *Perennial.* Amethyst-blue. 2 ft. Pkt. 25 cts., 5 pkts. \$1.

Incana. *Perennial.* Blue. 1 ft. Pkt. 25 cts.

Longifolia. *Perennial.* Lilac. 3 ft. Pkt. 15c.

Allioni. *Rock-garden Perennial.* Trailing variety, growing about 3 inches high, with white flowers. Pkt. 25 cts., 5 pkts. \$1.

Fruticans. *Rock-garden Perennial.* A 6-inch cushion of foliage is overtopped with shining gentian-blue flowers. May, Aug. Pkt. 50 cts., 3 pkts. \$1.25.

VINCA

Madagascar Periwinkle; Old Maid

Annual. Begins blooming in August from seed sown outdoors in May; blooms earlier if sown indoors in March. 1 ft.

Alba. Pure white. **Rosea.** Rose.

Rosea alba. White, with rosy eye.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Here Are Up-to-Date Verbenas for Color—Wallflowers for Fragrance

VERBENAS

ANNUAL

Sow in the open ground in May, or earlier under glass. Thin to 1 foot apart.

Giant-flowering Types

We are offering a truly giant sort. It has more flowers to each truss, and the individual florets are larger. Attains a height of 1½ feet and, if sown outdoors early in May, may be had in bloom by July.

Etna. Vivid scarlet with small yellow eye.
Luminosa. Shades of salmon, flesh, and coral on a ground of flame-pink.
Royale. Royal blue, primrose-yellow eye.
Salmon-Pink. Even tone of salmon-pink.
Spectrum Red. Wonderful dazzling color.
White King. Pure white.
Mixed. A mixture of all shades.

Each, pkt. 15 cts., ⅛oz. 60 cts., ¼oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.

Lavender Glory. Color clear and bright, contrasting with the cream-white center of the flower. Blooms are large. Pkt. 15 cts., ⅛oz. 60 cts., ¼oz. \$1.

(Not entirely fixed, there being a few light colors and whites.)

Beauty of Oxford Hybrids. The color varies from clear rose-pink to rose-red, and makes this the brightest rose-colored Verbena produced from seed. The individual flowers measure over 1 inch in diameter. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

New Apple Blossom. Flowers almost white, shading to a delicate cameo-pink toward the edges, and here they are a decided pink. Individual flowers are 1¼ inches in diameter, while the flower-head itself measures 4 to 5 inches across. The plants come 99 per cent true to color. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Floradale Beauty. See page 13. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50.

Crimson Glow. See page 13. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Bonariensis. See page 13. Pkt. 50 cts., 3 pkts. \$1.25.

Medium-flowering Types

The trusses and individual flowers are of large size and brilliant color. Plants are vigorous and bloom freely.

Defiance. Handsome scarlet.

Blue	Pink	Striped
White	Yellow	Mixed

Each, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50

Miniature Types

These tiny plants grow only 6 to 9 inches high, but they bloom continuously. Recommended for bedding, or for the front of the annual border. Excellent pot-plants.

Carmine Ball. Bright carmine.

Fireball. Bright flame-scarlet.

Dark Blue **Pure White**

Each, pkt. 15 cts., ⅛oz. 50 cts., ¼oz. 90 cts.

COLLECTION: Pkt. each, above 4 colors, 50c.

Mixed, pkt. 15 cts., ⅛oz. 40 cts., ¼oz. 75 cts.

Various Verbenas

Lemon Verbena (*Aloysia citriodora*). Old favorite. Pale green, scented foliage. Pkt. 25 cts., 5 pkts. \$1.

Erinoides (Moss Verbena). Produces a mass of moss-like foliage, spreading over the ground like a carpet. Above are borne purplish blue blossoms. June to Oct. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Venosa (Hardy Garden Verbena). Purple flowers all summer. 1 foot high. Pkt. 15 cts., ⅛oz. 40 cts., ¼oz. 75 cts.



Verbena, Beauty of Oxford

VIOLAS (Tufted Pansies)

Perennial. Violas bloom so freely and for so long that they are superior to pansies. The colors are particularly clear.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). Pleasing shade of deep violet-blue, with an occasional slight variation in tint. Will come about 70 per cent true from seed. 4 in. Pkt. 25 cts., ⅛oz. \$2.75, ⅛oz. \$5, ¼oz. \$9.

Apricot Gem. An unusually fine shade, blending into a deep orange center. Splendid when planted with Blue Gem. Pkt. 25 cts., ⅛oz. \$1.50, ⅛oz. \$2.50, ¼oz. \$4.

Cornuta Mixed. Pkt. 20 cts., ¼oz. \$1.

New Hybrid Violas

Arkwright Ruby. Terra-cotta markings on crimson make this Viola most attractive. Fragrant. Pkt. 50 cts., 3 pkts. \$1.25.

Blue Butterfly. A perfect bedding Viola, coming practically 100 per cent true from seed. The color is a mid-blue shading to white. Pkt. 50 cts., 3 pkts. \$1.25.

Normandie. Handsome Viola of the Gracilis type, bearing large, self-colored flowers of a rich burgundy color. Pkt. 50 cts., 3 pkts. \$1.25.

Primrose Perfection. The flowers are so numerous that the plant is almost hidden by them. Pkt. 35 cts., 3 pkts. \$1.

Yellow Queen. Deep yellow. A truly large-flowering type. Pkt. 35 cts., 3 pkts. \$1.

Aurora. Bluish purple; immense flower. Pkt. 25 cts., 5 pkts. \$1.

Avalanche. Immense, pure white flowers. Supersedes White Queen. Pkt. 25 cts.

Finest Mixed. Pkt. 25 cts., 5 pkts. \$1.

Odorata (Sweet Violet). Violet-blue flowers; fragrant. 4 in. Pkt. 25 cts., 5 pkts. \$1.

Odorata, The Czar. Deep violet flowers, large and fragrant. Pkt. 35 cts., 3 pkts. \$1.

Odorata, White Pearl. Pure white; sweet-scented. Pkt. 25 cts., 5 pkts. \$1.

Tricolor (Johnny-jump-ups). These cheerful and popular little "Pansy Faces" are easy to grow, and they will self-seed without further attention. Flowers are purple, blue, and yellow. Pkt. 20 cts., 2 pkts. 35 cts., ⅛oz. 50 cts., ¼oz. 90 cts.

WILD CUCUMBER. See Echinocystis.

WINDFLOWER. See Anemone.

WOLFSBANE. See Aconitum.

VIRGINIAN STOCKS

Annual. Sown early, these pretty annuals are gay in the period between the spring and summer flowers, their fresh, bright colors in lines and beds producing a charming effect. **White, Rose, or Mixed.**

Each, pkt. 10 cts., ⅛oz. 25 cts., oz. 40 cts.

TOM THUMB VISCARIAS

Annual. This beautiful new race of Viscarias is quite unlike others, in that the plants are compact and bushy in form and they bloom so freely as to be entirely covered. The plants grow evenly in height. Individual flowers resemble single wild roses in miniature form. 1 ft.

Blue Bouquet. Erect and bouquet-like, and the flowers are a brilliant cornflower-blue. Pkt. 35 cts., 3 pkts. \$1, ⅛oz. \$2.50.

Blue Queen. Bright blue.

Rose Queen. Rose.

White Queen. Pure white.

Each of above three, pkt. 25 cts., 5 pkts. \$1

WALLFLOWERS

These half-hardy perennial and annual Wallflowers are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe; annual sorts may be sown indoors in March and will flower the first year from seed.

New Annual Wallflower, Extra-Early Double

If seed of this variety is sown in early spring, it will be in full bloom by June. The flowers are equal in size to those of the perennial double varieties, and they are delicately perfumed.

Canary-Yellow	Dark Brown
Golden Yellow	Mixed
Light Brown	

Each, pkt. 15 cts., ⅛oz. 60 cts., ¼oz. \$1

Single Annual Varieties

Early Parisian. Gold, shaded orange-red.

Early Blood-Red. Red, orange shaded.

Early Golden Gem. Yellow.

Each, pkt. 10 cts., ¼oz. 30 cts.

Mixed, pkt. 10 cts., ¼oz. 25 cts.

Perennial Varieties

The following mixtures are hardy but should be sown in fall, carried over winter in a frame, and planted out in spring.

SINGLE, Mixed. Pkt. 15 cts., ¼oz. 60 cts.

DOUBLE, Mixed. Pkt. 25 cts., 5 pkts. \$1.

GREENHOUSE WALLFLOWER. See Cheiranthus.

XERANTHEMUM

Annual; Everlasting. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. 2 ft.

Mixed. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

WOODRUFF. See Asperula.

YARROW. See Achillea.

YOUTH AND OLD AGE. See Zinnia.

We Deliver Flower Seeds Post-Free to Any Point in the U. S.

The Gorgeous Zinnia

Youth and Old Age (ANNUAL)

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. No annual excels the Zinnia in freedom of bloom. Splendid for garden decoration and for cutting.

Giant Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals. Illus. in color, page 40.

***Canary Bird.** Clear yellow.

***Crimson Monarch.** Flaming crimson.

Dream. Deep lavender-blue.

***Exquisite.** Light rose.

Golden Dawn. A pure clear golden yellow.

Oriole. Orange and gold.

Polar Bear. Large; finest pure white.

***Scarlet Flame.** Bright scarlet.

Youth. Beautiful light rose.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Mixed, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, 4 marked *, 50 cts.

Mammoth California Giants

When in full bloom, they reach an enormous size, yet their flatness gives them a most graceful appearance. They grow to a height of 3 feet, and the fine double blooms will sometimes average a diameter of 6 inches.

Brightness. Bright pink.

Cerise Queen. Cerise-rose.

Enchantress. Light rose, deeper center.

Lemon Queen. Lemon-orange.

***Miss Willmott.** Soft pink.

***Orange Queen.** Golden yellow.

Orange King. Cadmium or burnt-orange.

***Purity.** Pure white.

***Rose Queen.** Bright rose.

***Scarlet Gem.** Glowing scarlet.

***Violet Queen.** Shade of violet.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, 6 marked *, 50 cts.

Dwarf Double-flowering

This type is very satisfactory for borders or cutting. Perfect flowers. $1\frac{1}{2}$ ft.

Crimson **Salmon-Rose**

Canary-Yellow **Scarlet**

White **Mixed**

Golden

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

Midget Zinnias

Many gardeners greatly enjoy the tiny miniature Zinnias which skilled plant-breeders are now giving us. This dwarf type is shown in color on page 39.

***Canary Gem**

***Crimson Gem**

***Golden Gem**

***Pink Gem**

***Salmon Gem**

White Gem

***Scarlet Gem**

Mixed Gems

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

COLLECTION: Pkt. each, 6 marked *, 50 cts.

Navajo Zinnias

Medium-sized, double and semi-double flowers with long, narrow, incurved or fluted florets, each of which is tipped with a lighter contrasting color. 18 in. Mixed, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

LILLIPUT ZINNIAS

Pastel Shades. See page 13. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Various Zinnias

Crown o'Gold Hybrids. Base of each floret is gold, upper half is old-rose, cream, yellow, red, or carmine. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Desert Gold. See page 13. Pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Fantasy, Star Dust. The florets are quilled and waved; in color, deep gold. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Fantasy, Mixed. All shades in this fantastic waved type. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Autumn Tints. See page 13. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Scabious-flowered Hybrids. See page 13. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Gypsy Girl. A charming miniature Zinnia, 9 inches in height. The chocolate-maroon flowers have each a golden yellow band, producing a novel and beautiful effect. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Curled and Crested. The petals are curled and crested into the most fantastic and graceful forms. All the brilliant shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

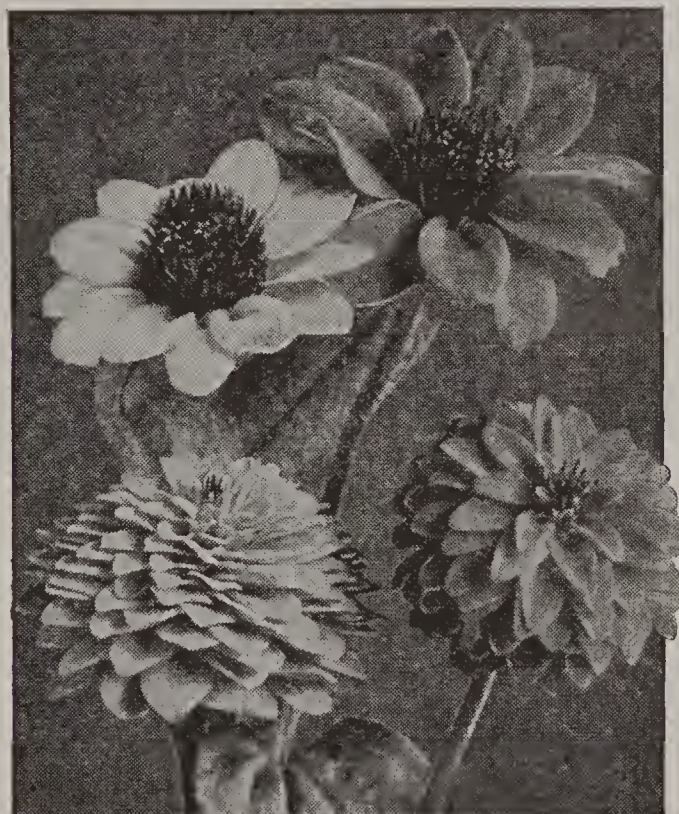
Picotee. Medium-sized but effective. Petals are marked with a color distinct from that of the body of the flower. $1\frac{1}{2}$ ft. Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Victory Quilled. New type, similar to the cactus dahlia. Height $1\frac{1}{2}$ feet. A good mixture. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Pumila Picotee, Salmon-Rose. The petals are ruffled and curled, giving a light, dainty effect, and, in addition, each is beautifully picoteed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Pumila Picotee, Mixed. Mixture includes all colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

LINEARIS. See page 13. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.



Haageana or Mexican Zinnias

Mexican Zinnias (Z. Haageana). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Mixed, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

FLOWER SEED MIXTURES

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included in this mixture. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the varieties in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. There is a peculiar charm about plants that seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a pailful, and broadcast the mixture freely. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50, lb. \$10.

ORNAMENTAL GRASSES

The annual varieties are principally grown for their beautiful flower panicles which when dried are useful for bouquet work. Perennial varieties are valuable for borders or massed between shrubs or on the lawn.

Sow outside in May, transplant or thin out when large enough to handle. If flower-heads are cut before they are ripe, they will keep for a long period.

Annual Grasses

BRIZA maxima. Quaking Grass. 1 ft.

COIX Lacryma-Jobi. Job's Tears. 3 ft.

ERAGROSTIS elegans. Love Grass. 1 ft.

PENNISETUM longistylum. Plume Grass. 2 ft.

ZEA japonica. Striped Corn. 5 ft.

Perennial Grasses

ERIANTHUS Ravennæ. 4 ft.

EULALIA japonica foliis vittatis. 4 ft.

GYNERIUM argenteum. Pampas. 6 ft.

PENNISETUM Ruppelianum. 3 ft.

STIPA pennata. Feather Grass.

Each, pkt. 10 cts.

COLLECTION: Pkt. each, 10 varieties, 75 cts.

FLOWER SEED COLLECTIONS

Annuals (Our Selection)

12 pkts. Most Popular Annuals.....\$1 00

12 pkts. Separate Varieties for Rock-Gardens..... 1 00

12 pkts. Different Sorts to Grow in Shady Gardens..... 1 00

12 pkts. Perfumed Annuals..... 1 00

12 pkts. Annuals for Cut-Flowers..... 1 00

12 pkts. Annual Climbing Plants..... 1 00

Hardy Perennials (Our Selection)

12 pkts. Most Popular Perennials.....\$1 50

12 pkts. Separate Perennials for Rock-Gardens..... 1 50

12 pkts. Different Perennials to Grow in Shady Gardens..... 1 50

6 pkts. Perfumed Perennials..... 75

12 pkts. Perennials for Cut-Flowers... 1 50

Everlastings (Our Selection)

6 pkts. Annual and Perennial subjects which retain their color when dried.

For winter decoration..... 50

Sow Stumpp & Walter Co.'s Vegetable Seeds for Abundant Crops of Exhibition Quality

Grow Them for Health and Profit. Vegetable-growing assures a positive return in health and nutrition. The food you grow is so much better than the food you buy because it is fresher, more palatable, contains more vitamins, is more varied. From even a small plot, the produce is so abundant that often you have food to spare for less-fortunate neighbors. Vegetable-growing is easy, especially now, when so many disease-resistant vegetables are available to the gardener. A space 25 feet by 50 feet or even less is ample to furnish delicious fine vegetables for a family of four.

VEGETABLES WHICH FIGHT DISEASE

If your crops were injured last year by wilts or blights of any kind, we suggest that you use varieties that (a) have long been known as being reasonably disease-resistant, or that (b) have been created specially to meet present-day conditions. Certain health measures, too, will help you to avoid loss from disease. It is recommended that you rotate your crops, use dig-under crops for soil-improvement (rye, vetch, peas, beans, buckwheat, etc.), burn rubbish promptly after harvesting, and use lime when necessary. Also dust seeds with Semesan, and use the following disease-resistant varieties.

Asparagus, Mary Washington.
Beans, Bountiful.
Beans, Sure-Crop Wax.
Cabbage, Yellows-Resistant Globe.
Cauliflower, Italian Purple.

Cucumber, Lemon and Orient.
Celery, Golden Plume.
Corn, Golden Wedding, Spangcross and Golden Cross Bantam.
Pea, Teton.

Spinach, Blight-Resistant.
Tomato, Marglobe and Scarlet Dawn.
Tomato, Pritchard's Scarlet Topper.
Watermelon, Pride of Muscatine.

FREE DELIVERY: We deliver vegetable and flower seeds free to any point in the United States at prices listed in this Catalogue

ASPARAGUS

Asparagus Seed

One ounce will plant about 50 feet of drill

CULTURE. Sow in drills at least 1½ feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested under "Asparagus Roots."

Mary Washington. One of the difficulties in growing Asparagus is the damage often done by rust. Spraying with Bordeaux Mixture to control this trouble is good practice. The best procedure, however, is to plant Pedigreed Mary Washington, the most rust-resistant type we know. Seed, pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Conover's Colossal. The standard variety. Reliable. Seed, pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Asparagus Roots

A plot 6 feet wide and 50 feet long will be sufficient to plant 100 of our Extra-Choice or Mammoth roots, enough for an ordinary family. Roots of this size should be selected, as they will establish themselves quickly.

CULTURE. Dig a trench 1½ feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure; tread down firmly. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2 feet. Let the plants grow two full seasons before cutting Asparagus.

Mary Washington. Now recognized as our most valuable variety, both for commercial and private use. It is rust-resistant, particularly vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. We offer roots produced from the raiser's original reselected seed. Extra-choice roots, \$4.50 per 100, \$40 per 1000. Extra-large clumps, for forcing, \$1.50 per doz., \$10 per 100, \$90 per 1000. Purchaser pays transportation.

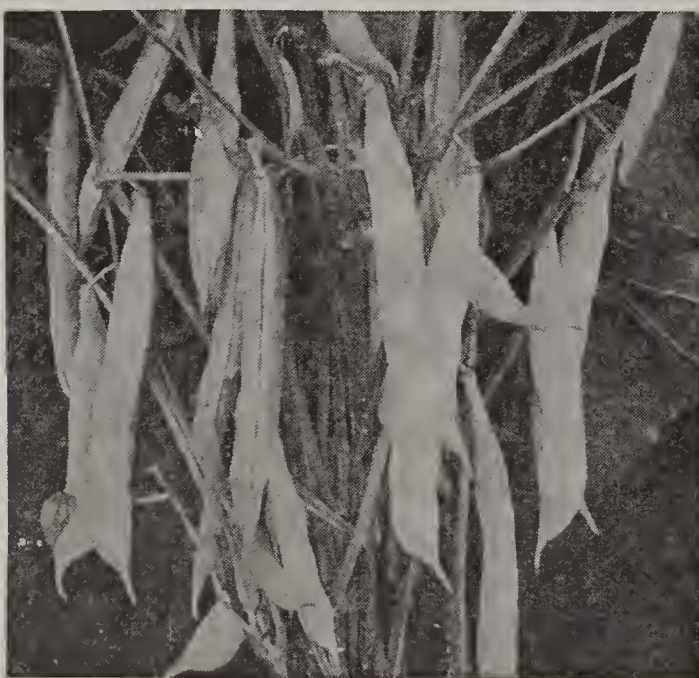
Conover's Colossal. A mammoth bright green sort, the tips of which are often tinged purple. Very tender and of good quality—quite the best of the older standard kinds. Mammoth roots, \$3 per 100, \$27.50 per 1000. Purchaser pays transportation beyond 50 miles of N. Y.

Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

A NEW BEAN The Commodore

This sensational novelty is an All-America Selections Winner for 1938. A dwarf or bush type of the popular Pole Bean, Kentucky Wonder. The green pods are 8 to 9 inches long, nearly straight, fleshy, brittle, stringless, and of excellent table quality. A very productive, medium early Bean. Pkt. 35 cts., ½lb. 85 cts., lb. \$1.50.



Bountiful Bush Beans

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Refugee or 1000-to-1. The pods are nearly round, light green, 5 inches long; fleshy, brittle, with slight strings. ½lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

Bush Beans

Sow twice monthly; gather all summer

One pound will plant 100 feet of drill

CULTURE. Plant as soon as danger of frost is over, placing the seeds 2 to 3 inches apart in drills and about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and to keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Do not cultivate or pick when bushes are wet, as this may cause disease.

Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Black Valentine. Matures early, producing long, round, straight pods which are tender when young. A good heat-resister. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Red Valentine. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

The Well-Being of the Entire Family Demands Fresh Vegetables

Wax-Pod Bush Beans

Yield in from 8 to 10 weeks

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 5 lbs. \$1.90, 15 lbs. \$4.25.

Hardy Wax. One of the best round-podded stringless Wax Beans. The plants have thick, leathery leaves which resist cold, blight and plant diseases to a marked degree. Within 65 to 70 days of planting, Hardy Wax bears immense crops of slightly curved deep yellow pods of excellent, brittle quality. Remains in bearing for a long period. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The seeds make excellent Shell Beans if allowed to ripen. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

New Kidney Wax. The fleshy pods are flattened in form, from 6 to 7 inches in length, $\frac{1}{2}$ inch broad and $\frac{3}{4}$ inch thick; the color is a rich lemon-yellow. The plants produce nearly twice as many pods as the old-time sorts. They have meatiness, fine flavor, brittleness and absolute freedom from strings. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Golden Wax. Flat pods of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Black Wax. Round pods; early and good. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Dwarf Lima Beans

One pound will plant 50 to 100 feet of drill.
Yield in from 12 to 14 weeks.

CULTURE. Sow Lima Beans after danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 3 inches deep, putting the Beans 2 inches apart in the row "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put six seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, dried and kept for winter use.

Fordhook. A dwarf form of the popular Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty, of the finest flavor, and very tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.

Early Giant. A quick-growing variety. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 in the neighborhood of New York. The flavor of this variety is particularly refined, and the Beans, which are large, thick, and flat, are produced in remarkable quantity. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Improved Bush. A fine Bush Lima with pods filled with larger and thicker Beans, which are ready for picking very early. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Henderson Bush. Beans are small, but are produced in quantity. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Pole Lima Beans

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. The vine is vigorous, with many large branches, producing an abundance of pods, which are closely filled with large, broad-seeded, green Beans. The green tint is a distinctive feature, for it is retained in the dry state. It is finer flavored and more tender than white-seeded varieties. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Sunnybrook. Earliness, productiveness, and flavor are the outstanding points of this Bean. It is probably the quickest of all the Pole Limas to mature, and it is covered from ground to top with pods containing 4 or 5 fine Beans of quite the best quality, tender and sweet. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Challenger or Potato, Improved. Early and prolific. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Early Leviathan. A very early variety. Produces pods in clusters. A splendid variety where the season is short. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Ford's Mammoth. Beans flat and large. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Pole Snap Beans

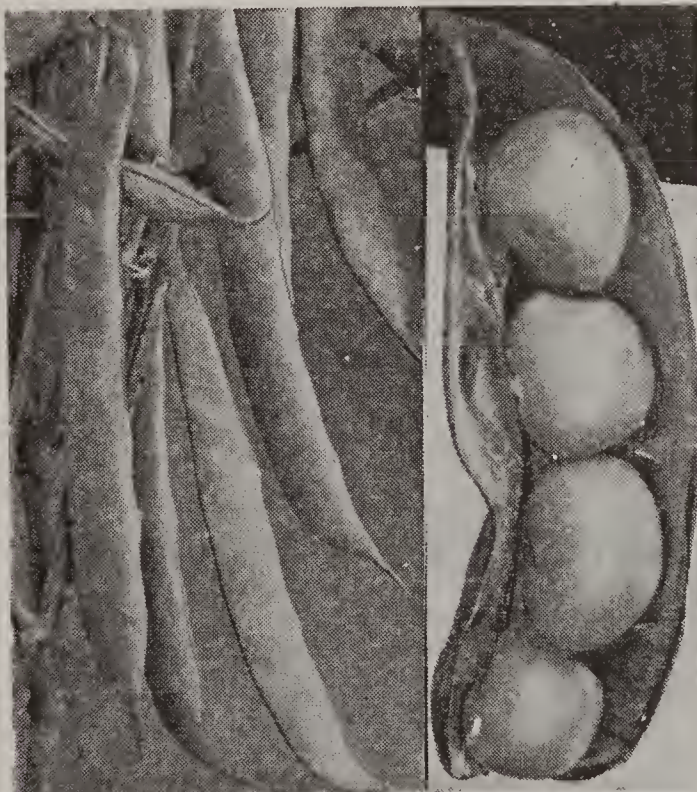
One pound plants 200 hills

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Yields in 10 weeks. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Golden Cluster Wax. Pods, produced in 7 weeks, are tender and of fine flavor. Few Beans equal this as a "snap sort" while young, or as a dry, white Shell Bean for winter. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Yard-Long Asparagus. Long, narrow, rounded pods. Pkt. 15 cts., $\frac{1}{2}$ lb. 45 cts., lb. 85 cts., 2 lbs. \$1.50, 5 lbs. \$3.50.



Pole Snap Beans

Early Giant Bush Lima Beans

Broad Beans

Differ from American types in that they are tolerant of cold and should be planted early. Select strong land and spray continuously against aphid and blight. Not recommended for the home-garden.

English Long-Pod. The pods reach a length of 12 inches and contain seven or eight Beans.

English Windsor. The heavy pods are produced in pairs and contain three or four large Beans.

Each, $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5

Beans for Growing Under Glass

The Prince. A new variety, quick to mature and cropping enormously. The pods are without string, meaty, of fine flavor and immense size—11 to 12 inches being not unusual. Pkt. 25 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 2 lbs. \$1.90, 5 lbs. \$4.50.

S. & W. Co.'s Wonder. Of fine color and refined flavor. The pods are round, average 6 inches in length, and they are borne in great abundance. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Magpie. This is a wonderful Bean of European origin. Plant is of very strong growth, stocky, and resistant to rust. The pods are long, meaty, and of the finest flavor. An enormous producer, suitable for outdoors and under glass. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Masterpiece. Of splendid constitution, a quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Beans for Baked Beans

Grow them until they are fully ripened; then shell them.

Pea or Navy. $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.25, 15 lbs. \$3.25.

Red Kidney. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

ARTICHOKES

Globe Artichokes

One ounce will produce 500 plants

The scales and base of the flower-buds are eaten, either boiled, or raw as a salad. The young stems are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich soil where water will not lodge in winter-time. Sow seeds indoors, and pot up similar to tomatoes, setting out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Some flower-buds may be had the first year. Cover with ashes and leaves in winter. Usually bears the second year from seed.

Large Green Globe. The best variety. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Jerusalem Artichokes

Artichoke Tubers. Distinct from the Globe, and grown for the potato-like tubers. Plant in rows, 3 feet apart and 1 foot apart in the row, and cultivate occasionally. Allow the tubers to remain in the ground until needed. They are excellent served boiled, like new potatoes; valuable also for feeding stock. Qt. 50 cts., pk. \$3. Purchaser pays transportation.

Beets Are a Profitable Crop—and the Tops Make Healthful "Spinach"



Sawco Wonder Beet

RED BEETS

One ounce will plant 100 feet of drill; 5 to 6 pounds, an acre. Yield in from 8 to 11 weeks.

CULTURE. Seed may be sown from early spring to mid-July. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Beets are best for pulling when about 2 inches in size.

Round Types

Good for All. Wonderfully refined flavor, without earthiness and woodiness; uniformity in shape; regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Special Mention, All-America Seed Trials, 1934. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Sawco Wonder. An improved Early Wonder Beet which was given a gold medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine dark-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

ROUND BEETS, continued

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Eclipse. An extra-early sort which produces Beets sixty days from sowing. Of uniform, dark rosy red; top-shaped; easily pulled. Flesh dark purplish red with rose zones; remains in table condition for ten days. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Edmand's Blood Turnip. Deep blood-red, and exceedingly sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

S. & W. Co.'s Winter Keeper. A distinct strain of a main-crop, globe-shaped Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Long Type

Long Blood. (Out of ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cow Beets (Mangels) and Sugar Beets. See page 63.

BROCCOLI

TRUE ITALIAN MARKET STRAIN

One ounce will produce about 3000 plants. Takes about 9 weeks from seed.

A delicious vegetable, akin to cauliflower but with a more distinctive flavor. Produces a large, compact, bluish green head. After this is cut, the plant produces numerous tender side shoots, each bearing a small head. May be sown February to July. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants. Yields within 17 weeks of sowing seed.

S. & W. Co.'s Favorite. A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. An excellent vegetable which should find a place in every garden. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. Autumn Giant requires about 14 weeks, others about 10 weeks from seed to harvest.

CULTURE. Sow in February or March in a hot-bed and transplant in April. Have the plants 2½ feet apart. Rich soil is essential. Outdoors sow the first week in May and transplant in July. For wintering under glass sow in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe. When the Cauliflower has attained the size of a hen's egg, protect it by tying the top leaves together, or bending them to form a cover.

S. & W. Co.'s Best of All. The easiest grown and surest heading Cauliflower offered today. In habit the plant is very dwarf, stocky, and erect. It has very few outer leaves and, as a consequence, the young Cauliflower plants may be planted closer than usual. In suitable soil, every plant will form a large, handsome head of the finest quality. Pkt. 25 cts., $\frac{1}{8}$ oz. 80 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.50, oz. \$4.50.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 20 cts., $\frac{1}{8}$ oz. 65 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. 95 cts., $\frac{1}{2}$ oz. \$1.65, oz. \$2.75.

Danish Dry Weather. Stands adverse conditions better than others. The heads grow to a large size, are very solid, pure white, and of delicious flavor. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Autumn Giant. This is larger and slower-growing than the above varieties; more suitable for use in warmer climates. Pkt. 10c., $\frac{1}{4}$ oz. 30c., $\frac{1}{2}$ oz. 45c., oz. 75c.

Italian Purple. The head is purple, but it cooks to a greenish color; in flavor it is suggestive of broccoli and cauliflower, and regarded by many as superior to both. Resistant to disease, it is late-maturing; easy to grow. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

CARDOON. Grown like celery and served like asparagus. Sow in May, and transplant seedlings 3 feet apart. Three weeks before using, the heads are tied, straw is piled against them, and soil is heaped against the straw to blanch them. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Our Strain of Copenhagen Market Cabbage Is Especially Fine

CABBAGES

One ounce will produce about 3000 plants

CULTURE. Sow early kinds in hotbeds in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Plant 2 feet apart in each direction. Cabbages require good soil.

Early and Midseason Sorts

Yield in from 9 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.

S. & W. Co.'s Famous Early Conical. An early small variety of conical form. Produces solid heads quickly and requires little garden space. Pkt. 20 cts., 1/4 oz. 45 cts., 1/2 oz. 75 cts., oz. \$1.25, 1/4 lb. \$4.

Improved Early Jersey Wakefield. Not quite so early as Early Conical, but one of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.50.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.50.

Babyhead. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small. The first to reach the table when grown outdoors. Pkt. 25 cts.

Copenhagen Market. The stem is short, the head round and solid. The heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 10 cts., 1/2 oz. 35 cts., oz. 65 cts., 1/4 lb. \$1.75.

Succession. A splendid second-early, round-headed sort. Pkt. 10 cts., 1/2 oz. 35 cts., oz. 65 cts., 1/4 lb. \$1.75.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.

Late Cabbages

Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 10 cts., 1/2 oz. 35 cts., oz. 65 cts., 1/4 lb. \$1.75.

Large Late Flat Dutch. Fine for winter use. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 45 cts., 1/4 lb. \$1.25.

Danish Drumhead. Pkt. 10 cts., 1/2 oz. 35 cts., oz. 65 cts., 1/4 lb. \$1.75.

Savoy Cabbages

Yield in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 10 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.

Early Cone Savoy. Pkt. 20 cts., 1/4 oz. 45 cts., 1/2 oz. 75 cts., oz. \$1.25, 1/4 lb. \$4.

Odorless Savoy, Cornell Early. Crinkled, dark green foliage. Heads average 2 pounds in weight and mature in two and one-half months from transplanting. Crisp and succulent variety, with mild and appealing flavor. Odorless while cooking. Pkt. 25 cts., 5 pkts. \$1.



Copenhagen Market Cabbage

Red Cabbages

Yield in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 10 cts., 1/2 oz. 35 cts., oz. 65 cts., 1/4 lb. \$1.75.

Early Red. A small early sort. Very refined and uniformly dark red. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

Chinese or Celery Cabbage

Yield in about 11 weeks

A desirable vegetable, nearer to Mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce, but its crisp leaves and mid-ribs have a Cabbage flavor. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 45 cts., 1/4 lb. \$1.25.

Wong Bok. A very compact plant, short and broad. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 45 cts., 1/4 lb. \$1.25.

CARROTS

One ounce will plant 100 feet of drill

CULTURE. Sow from March to July in drills 1/2 inch deep and 14 inches apart; thin out to 4 inches.

Best Early Kinds

Yield in from 9 to 10 weeks

S. & W. Co.'s Rubicore. Rubicore is a fine-flavored, new, early, half-long Carrot. It is a deep orange-red, and the small heart or core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself. Rubicore is thus as "coreless" as a Carrot can be. The roots are 5 1/2 to 6 inches long, 2 to 2 1/2 inches at the shoulder, narrowing gradually to a blunt end. They are refined in appearance, smooth and free from eyes, and uniform in size, shape, and color. The tops are medium small, but large enough to bunch. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$3.

S. & W. Co.'s Melting Marrow. A specially fine half-long variety that is cylindrical in shape and of wonderful butter quality. The skin is smooth and the fine red color is carried through the entire root. This splendid Carrot is recommended also for exhibition purposes. The best Carrot from the culinary standpoint. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.20, lb. \$3.50.

French Forcing. Largely grown under glass. It makes a small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$3.

Selected Chantenay. A splendid type of the half-long, stump-rooted Carrot. Quick to grow, it averages 5 1/2 to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10c., oz. 30c., 1/4 lb. 75c., lb. \$1.75.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. It is excellent for forcing and general use, and for quality it cannot be surpassed. Pkt. 15 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$2.

Scarlet Horn. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Oxheart or Guerande. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 55 cts., lb. \$1.50.

Late Varieties

Yield in from 11 to 13 weeks

S. & W. Co.'s Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

Selected Danvers. A handsome, tapering cylindrical Carrot of good size. Dark orange, of excellent table quality, smooth and has little core. Yields a greater weight per acre than almost any other variety. Selected stock for market gardeners and home use. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$3.

Long Red Surrey. Larger, better-flavored, and of a deeper orange color than most other types; flesh sweet and tender; never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$3.

Long Orange Improved. It grows 12 inches long and 3 inches in diameter. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 55 cts., lb. \$1.50.

New Red Intermediate. Pkt. 15 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

Two Carrots for Prize Winning

Exhibition Chantenay and Exhibition Danvers. Two strains of these standard varieties that have been specially grown and selected for exhibition. Each, pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.35, lb. \$3.75.

Golden Plume Is a Most Dependable Celery—Hence Its Popularity

CRISP CELERY

One ounce will produce 3000 plants.

Early sorts take around 15 weeks, late sorts about 18 weeks, from seed to maturity

CULTURE. Sow the seed in a coldframe, or in a dry border as early as the ground can be worked. Transplant or thin out 5 to 6 inches apart, and allow to grow until wanted for setting out into the beds or trenches in July. Rows or double rows should be 3 feet apart and the plants set about 8 inches apart in the row. From one to three weeks (depending largely upon the variety) prior to harvesting, the plants should be boarded or earthed up to blanch them.

Early Quick-Blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, 1/2oz. \$2, oz. \$3.50.

Golden Super-Plume. This finds the greatest favor today in the New York market. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Preferred to the standard sort by some. Pkt. 35 cts., 3 pkts. \$1.

Earligreen. The finest, earliest green Celery. Large for an early sort. The outer leaves are green, and the very full heart is pure white, brittle, and of the most delicious flavor. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, 1/2oz. \$2, oz. \$3.50.

Paris Golden Self-blanching. Compact, stocky, with golden green leaves. The solid, brittle heart blanches quickly; fine, nutty flavor. Our stock is free from objectionable green plants. Pkt. 15 cts., 1/4oz. 35 cts., 1/2oz. 65 cts., oz. \$1, 1/4lb. \$3.

Improved White Plume. Tender and of the very best flavor. Pkt. 10 cts., 1/2oz. 40 cts., oz. 70 cts., 1/4lb. \$2.

Well-Keeping Winter Varieties

New Easy-Blanching. Large green plant; the leaves blanch white. As good a keeper as any late sort, though maturing but two weeks later than Paris Golden. The flesh is crisp and brittle, the flavor good. Pkt. 20 cts., 1/8oz. 35 cts., 1/4oz. 65 cts., 1/2oz. \$1, oz. \$1.75, 1/4lb. \$5.50.

Winter Queen. Medium large, light green in color. Blanching and keeps well. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Giant Pascal. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts., 1/4lb. \$1.50.

Covent Garden Red. Pkt. 25 cts., 1/8oz. 50 cts., 1/4oz. 75 cts., 1/2oz. \$1.25, oz. \$2.

Cutting Celery. (For Soup Greens.) Strongly germinating seed. Pkt. 10 cts., oz. 40 cts., 1/4lb. \$1.

Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., 1/4lb. 30 cts., lb. 75 cts.

CELERIAC, Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. Pkt. 15 cts., oz. 55 cts., 1/4lb. \$1.50, lb. \$4.

CHERVIL

One ounce will plant 150 feet of drill

CULTURE. Treat and use like parsley, for garnishing and flavoring soups and salads.

Moss Curled Extra. Pkt. 10 cts., oz. 25 cts., 1/4lb. 60 cts., lb. \$1.50.

COLLARDS

One ounce will produce about 3000 plants. About 5 weeks from seed to cutting

Georgia. A leafy plant with a large, loose head. In the South it is widely used as a cooked vegetable. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.



Golden Plume Celery

CUCUMBERS

One ounce will plant about 50 hills. Yield in about 9 weeks

CULTURE. Sow seed in hills 4 feet apart each way after mid-May and at intervals thereafter until mid-August. Earliest sowings may be made in April under glass, in pots or inverted turfs, the seedlings being transplanted three to four weeks later.

Straight-8. A new green Cucumber of excellent quality. The fruits show no lighter striping, are about 8 inches long and 1 1/2 inches through, symmetrical and uniform. Awarded Gold Medal, All-America Seed Trials, 1935. Pkt. 15 cts., oz. 35 cts., 1/4lb. \$1, lb. \$2.50.

New Davis Perfect. In color, a dark, glossy green; shape slim and symmetrical, with an average length of 10 to 12 inches. Flesh brittle, and of good flavor. Pkt. 10 cts., oz. 25 cts., 1/4lb. 65 cts., lb. \$1.75.

Improved Early White Spine. Fruits are nearly cylindrical, slightly pointed, smooth and deep green, with white lines at the blossom-end. Splendid as a table Cucumber or for pickling. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$1.50.

Cool and Crisp. An excellent pickling or slicing Cucumber of good size, tender and crisp; very early and prolific. Pkt. 10 cts., oz. 25 cts., 1/4lb. 65 cts., lb. \$1.75.

The Lemon. Economical because of the many fruits one plant will produce. In size, shape, and color it resembles a lemon, but edible qualities are good, and it withstands drought and disease well. Pkt. 15 cts., oz. 30 cts., 1/4lb. 75 cts., lb. \$2.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 10 cts., oz. 25 cts., 1/4lb. 65 cts., lb. \$1.75.

Japanese Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 10 cts., oz. 25 cts., 1/4lb. 65 cts., lb. \$1.75.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 35 cts., 1/4lb. \$1, lb. \$2.50.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 25 cts., 1/4lb. 60 cts., lb. \$1.50.

Orient. Withstands drought and disease. Its long, dark green fruits, measuring up to 18 inches, are unusually solid and crisp, while the plants are very productive. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Greenhouse Cucumbers

S. & W. Co.'s Improved Telegraph. Very dark green, long and straight. By special arrangement, we have secured a selected strain of this variety. Pkt. (15 seeds) 25 cts., 5 pkts. \$1.

S. & W. Co.'s Forcing White Spine. It is similar in appearance to the well-known outdoor White Spine but is larger. It grows freely under glass, and its advantage over Telegraph and similar forcing types is that it bears earlier, is more prolific, and is more robust. It will thrive under conditions where Telegraph will not, and it is therefore of more simple cultivation. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

Everyday. Plants set freely at all seasons of the year. Fruit good length, deep green in color, almost smooth, and of splendid flavor. Pkt. (15 seeds) 35 cts., 5 pkts. \$1.50.

CHICORY

Witloof (French Endive). Familiar white blanching winter salad. Sow in spring in drills 18 inches apart, thinning out the plants to 3 inches. Long parsnip-like roots are formed; these are lifted in the fall and trimmed. They may be planted during winter in a deep trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top of the trench, which is then filled level with sandy soil, sand, or manure; through this the Witloof forces its way in about a month. Pkt. 15 cts., oz. 35 cts., 1/4lb. \$1, lb. \$3.

Large-rooted Magdeburg Chicory. Pkt. 10 cts., oz. 30 cts., 1/4lb. 75 cts., lb. \$2.

WITLOOF ROOTS. Extra-selected crowns for forcing, \$1 per doz., \$7.50 per 100, \$70 per 1000. Purchaser pays transportation.

For Endive, see page 53

CORN SALAD

One ounce will plant 150 feet of drill

CULTURE. Seed may be sown thinly in drills 18 inches apart in early spring, and later for succession although early fall seedings are preferred. The latest sowings may be wintered if lightly mulched.

Large-leaved. Tested seed of high vitality. Pkt. 10c., oz. 25c., 1/4lb. 65c., lb. \$1.75.

CRESS

Pepper Grass

Curled or Pepper Grass. The young seedlings are used for salads, and they make delicious fillings for sandwiches. Sow at short intervals for succession. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.

True Erfurt Water Cress. Pkt. 15 cts., 1/2oz. 45 cts., oz. 75 cts., 1/4lb. \$2.

DANDELION

One ounce will plant about 100 feet of drill

CULTURE. Sow early in the year in drills 1 foot apart, covering the seed no more than 1/4 inch. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.50.

French Garden. Pkt. 10 cts., 1/2oz. 30 cts., oz. 60 cts., 1/4lb. \$1.50.

Fresh Home-Grown Corn Is Superior to Any Corn You Purchase

SUGAR CORN

One pound will plant 200 feet of drill
or 200 to 300 hills

CULTURE. Gatherings may be made daily from July to frost if you plant every three weeks, from April to July; hills 3 feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

New Golden Hybrids

Spancross. A new early hybrid Corn, highly resistant to Stewart's disease. Splendid for home-gardens. Ears have 10 to 12 rows of delicious golden yellow kernels. Ten days earlier than Golden Cross Bantam. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65.

Golden Cross Bantam. Modern sort, showing remarkable resistance to wilt. It also has other advantages, such as increased yield, ability to withstand adverse weather, uniformity of ear, etc. Its stalks are sturdy, ears 7 to 8 inches long, 10- or 14-rowed, maturing in 88 days. Pkt. 20 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 2 lbs. \$1.40, 5 lbs. \$3.25.

Early Sorts

Yield in 10 to 12 weeks from planting

Spanish Gold. A 10- to 12-rowed Corn of most delicious flavor. Ears 6 to 7 inches long, packed with bright, golden yellow kernels, tender and sweet. Dwarf, therefore needs less room than others. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. $\frac{1}{2}$ lb. 25 cts., lb. 45c., 2 lbs. 85c., 5 lbs. \$2, 15 lbs. \$4.50.

Golden Wedding Corn. Like Golden Bantam, but the ears are larger and have 12 or more rows instead of 8. In flavor we consider it superior. Resistant to wilt. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Bantam. Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are creamy yellow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Whipple's Early Yellow Corn. A very popular second-early variety with ears 7 to 8 inches long, 12- or 14-rowed, with sweet kernels, golden yellow in color. Has stood up well in areas troubled with bacterial wilt. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

S. & W. Co.'s Midget Sweet Corn. Suitable for culture under glass and for gardens of limited area. The tiny plant grows about 30 inches, the ears are only 3 to 4 inches long, but from two to five of them are on a single stalk. The kernels are white, meaty, and very sweet, while the cob is small. Pkt. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Early Mayflower. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

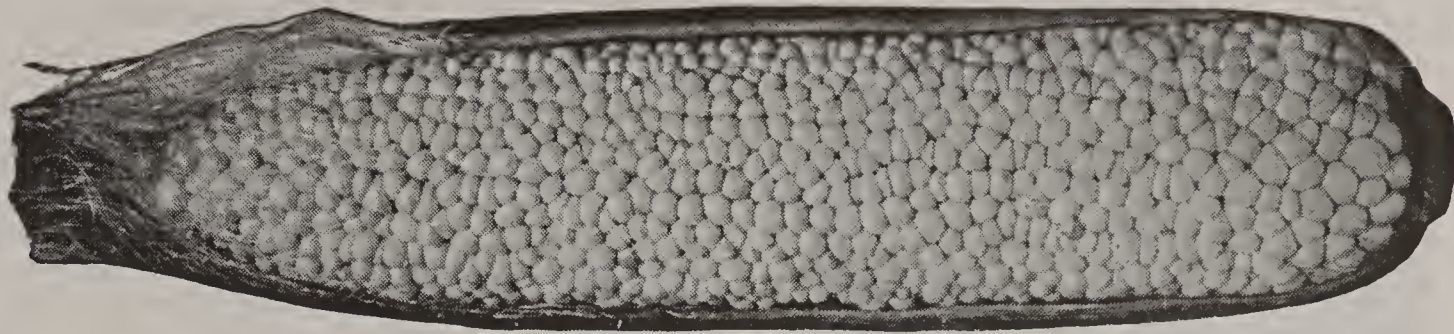
Black Mexican. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65.

Howling Mob. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75.

Metropolitan. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

White-Cob Cory. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Crosby's Early. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.



Golden Colonel Sweet Corn

Late Sorts

Yield in 13 to 15 weeks from planting

**ALL-AMERICA
WINNER, 1936**

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and eight-foot stature of Country Gentleman. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Country Gentleman. Retains its delicate flavor even when a little old. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Long Island Beauty. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

ENDIVE

One ounce will plant 200 feet of drill.
Gather about 13 weeks after sowing

CULTURE. Sow seed from middle of June till last of August. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet.

Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. 95c., lb. \$2.25.

Green Curled. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

White Curled. A variety which blanches readily and is very tender. Similar to Green Curled, but the leaves are naturally of a light golden tint. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Broad-leaved Batavian (Escarolle). The leaves are broad and thick, more or less twisted and waved, and are of a bright deep green. They are larger and more fleshy than the preceding sorts. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Full-hearted. A newer variety of fine quality, closely resembling Broad-leaved (Escarolle), on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

FRENCH ENDIVE. See Chicory.

HORSE-RADISH

Roots. Will produce good Horse-radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 25 cts. per doz., \$1.50 per 100. Purchaser pays transportation on Horse-radish roots beyond 50 miles of New York.

EGGPLANT

One ounce will produce about 1000 plants.
Yield in about 11 weeks after planting out

CULTURE. Sow during March indoors; transplant into the garden when settled fine weather has arrived. The plants should stand 2 feet apart.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Long Purple. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Black Beauty. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Japanese. The fruits are smaller than those of standard varieties, but the variety is earlier and very prolific. Color dark purple; very thin-skinned; flavor and texture are superior. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

GARLIC. See under Onion Sets.

KALE

One ounce will produce about 3000 plants.
Ready to cut in about 10 weeks

CULTURE. Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

Silverheart. The most delicious of the autumn "greens." It is a tall Kale, the top leaves of which turn to a creamy white after first frosts; this enhances the fine flavor and tenderness. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Dwarf Green Curled Scotch. Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Siberian Kale or Sprouts. Not so densely curled, but very hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Dwarf Brown Kale. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

KOHLRABI

One ounce will plant about 200 feet of drill.
Ready in from 8 to 9 weeks

CULTURE. Sow in spring in rows 18 inches apart, and thin away the plants to 6 inches.

**ALL-AMERICA
WINNER, 1937**

Triumph of Prague. A perfect white Kohlrabi; very uniform in shape, size, and color. Short top.

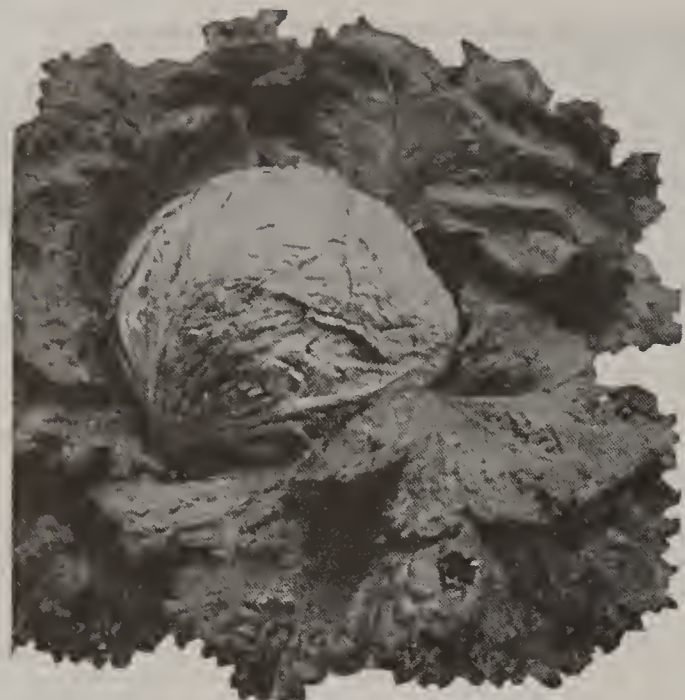
A first-early sort. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Early White Vienna. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

Early Purple Vienna. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Give Lettuce Plenty of Garden Space, Rich Land, and Hoe It Continually



New York is the variety usually shipped to the larger cities as "Iceberg." True Iceberg is also listed below.

LETTUCE

One ounce will plant 150 feet of drill.
Matures in from 11 to 12 weeks

CULTURE. About the middle of March sow in the hotbed. When seedlings are about 2 inches tall, transplant them to a coldframe. By May 1, set out in the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Thin the seedlings to stand 4 inches apart in the row. Later remove every other one and do this again so that the plants finally stand 16 inches apart. After mid-May, do not sow early kinds, but select sorts like All-Seasons and New York. Make repeated sowings to have Lettuce always available. In August sow Thanksgiving Day Lettuce. Continuous hoeing is important.

Loose-leaved Lettuces

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Black-seeded Simpson. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Heading Lettuces

Wonder of Stuttgart. A large-heading variety of the White Boston type. Resists heat well. Heart buttery yellow and of very high quality. At least 50% larger than other Boston types. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

New York or Wonderful, No. 12. A large sort. Outer leaves gray-green, with a large, crisp, very solid white heart. Sometimes called *Iceberg*, but the true *Iceberg* is lighter in color, smaller and yellowish green. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

New York or Wonderful, No. 515. For a description of the variety, see above. This special strain, however, has proved itself to be one of the most suitable for the conditions adjacent to Greater New York, and is in demand among the growers in that area. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

HEADING LETTUCE, continued

Big Boston. (White seed.) As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Black-seeded Big Boston. The plants are of a uniformly darker shade of green, grow more compactly, and stand several days longer before running to seed. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Unrivalled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

All-Seasons. Splendid black-seeded sort; a good heat-resister. Sown early in May produces fine, buttery Lettuce in July. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

May King. Unquestionably one of the best all-round, early, outdoor Lettuces, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Salamander Perfected. Also called Black-seeded Tennisball. An excellent summer variety. Grows to large size, with tightly folded leaves covering the center, which blanches a light golden. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Tom Thumb. For indoor culture. The small, firm heads are of excellent quality, while the leaves are dark green and very crumpled. Outdoors it is suitable for spring and fall. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Wayahead. Large and fine; bright green with large yellow heart. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

California Cream Butter. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Golden Queen. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Hanson Improved. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor; largely unnecessary with self-closing varieties.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 25 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Paris White Cos or Romaine. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Trianon Self-closing Cos. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

MARTYNIA

The lilac-purple flowers are followed by curved seed-pods. These are pickled. Sow when frost is over and transplant to stand 3 feet apart. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.25.

LEEK

One ounce will plant about 100 feet of drill.
About 15 weeks from seeding to edible stage

CULTURE. Sow seed in early spring outdoors. When plants are about 6 inches long, transplant them to trenches 6 inches deep, in rich soil. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanched a half foot long, which may be kept all winter if dug up with the roots on and stored in sand in the cellar.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in vegetable competitions. Pkt. 25 cts., 5 pkts. \$1.

Elephant. A new, giant, extra-long and extra-thick Leek that you will probably find larger in diameter than any sort you have previously grown. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Musselburgh. A hardy winter variety. Popular with market gardeners. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

MUSHROOMS

CULTURE. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped firmly. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in its place. Keep cellar or shed at 60 degrees, and moisten walls and floors daily. Gathering should begin in six weeks.

Also, spawn may be plugged into the lawn, and a crop of Mushrooms may be expected in the autumn.

Bottle Spawn. Spores have been selected from specimen Mushrooms and propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded from the Spawn are the spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

NOTE. We have discontinued listing Brick Spawn, owing to the marked superiority of the above and the preference for it on the part of most of our customers.

MUSTARD

One ounce will plant 75 feet of drill

CULTURE. Sow frequently through the spring, in drills from 8 to 12 inches apart. The first two varieties are used for boiled "greens"; White London for sandwich material.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. Served as spinach, the flavor is inviting, while the plant possesses healthful tonic properties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Giant Southern Curled. The plant grows 3 feet tall, and the broad, succulent leaves are cut and frilled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

White London Mustard. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Mustard Spinach (Tendergreen). A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.25.

All our packets bear directions for growing the seeds contained in them—clearly written and up-to-date.

The Onion Is the Most Healthful of Vegetables. Grow It and Serve It Often

MELON (Cantaloupe)

One ounce will plant about 80 hills.
Yield in from 12 to 14 weeks

CULTURE. Sow the seed in April under Hotkaps, and in the open air in May in hills 6 feet apart each way. Use in each hill from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to three plants per hill. As soon as the plants make their appearance above ground, dust them with Hortex or similar material.

Golden or Orange-fleshed

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

Banana. Narrow, curved, and as much as 30 inches in length. The flesh is a deep salmon, sweet, and of good quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Hearts of Gold or Improved Hoodoo. A new orange-fleshed variety, ideal as a shipping melon and of the very finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Supreme. Its color is a deep emerald-green outside, with more or less netting; the flesh is a fine deep salmon, with a rich, delicious flavor. Pkt. 25 cts., 5 pkts. \$1.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is also one of its qualities. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.50.

Green-fleshed

Rocky Ford. The fruits weigh from 1 1/4 to 1 1/2 pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 60 cts., lb. \$1.50.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 15 cts., oz. 35 cts., 1/4 lb. 95 cts., lb. \$2.50.

Honeydew. This variety, with its clear light yellow skin, is to be seen in the best markets. The flesh is green, very thick, and, unlike some melons, it ripens uniformly to the rind. Pkt. 15 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.25.

Early Hackensack. An early strain of the one-time famous Hackensack variety. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.50.

Forcing Melons

Golden Beauty. A remarkably fine early melon. Skin bright yellow, beautifully netted; flesh deep, rich salmon color, of delicious flavor. Pkt. 50 cts.

King George. Handsomely netted, it is a splendid sort for growing under glass. The flesh is red and very thick, with a small seed cavity. Pkt. 50 cts.

Royal Jubilee. A splendid, oval, green-fleshed melon, raised at the Royal Gardens, Windsor. Skin almost white, handsomely netted. Pkt. 50 cts.

ONION

One ounce will plant 100 feet of drill;
5 to 6 pounds, an acre. Takes 14 to 15 weeks from seed to maturity.

CULTURE. The largest Onions are produced by sowing the seed in a hotbed early in January or February and transplanting seedlings to the open ground 6 inches apart. For the main supply, sow in rich, sandy soil, in drills 1 foot apart, as early as possible in the spring, cover with fine soil and firm well, either with roller or back of spade. When plants are strong enough, thin out to 3 to 4 inches.

Mild White Varieties

S. & W. Co.'s Southport White Globe. Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

White Portugal or Silverskin. A mild-flavored variety, used extensively for pickles. The Onions are tender and altogether fine. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

White Pickling. When mature, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling or table use. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

White Bunching. For spring Onions, pulling Onions or "Scallions." Use them when the thickness of a lead-pencil, and they are mild and healthful. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe. Popular market variety. It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about 2 1/2 inches in diameter; skin light golden yellow; flesh white, crisp, and mild in flavor. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.50.

Ebenezer or Japanese. A dark yellow variety often used for sets. Bulbs are deep, flat, of medium size, very firm, with a thick skin. Early and keeps well. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Ideal Yellow Globe. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. Pkt. 15c., oz. 65c., 1/4 lb. \$1.75, lb. \$5.

Ailsa Craig. Originator's stock grown in England. Pkt. 50 cts.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Gigantic Gibraltar. Recommended for exhibition. Although large in size, is a splendid keeper and decidedly mild. In exceptional cases specimens have weighed 3 1/2 pounds. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.



Gigantic Gibraltar Onion

Riverside Sweet. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. A favorite in sections with long seasons and rich soil, where it will do well. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$3.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Red Bermuda. Pkt. 15 cts., oz. 65 cts., 1/4 lb. \$1.75, lb. \$5.

Crystal Wax. Pkt. 15 cts., oz. 65 cts., 1/4 lb. \$1.75, lb. \$5.

Onion Sets

Sets will produce green, bunch or full-grown Onions much quicker than will seed. Multipliers and Potato Onions divide and increase in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Qt.	1/2pk.	Pk.
White Onion Sets.....	\$0 40	\$1 35	\$2 25
Yellow Onion Sets.....	35	1 15	2 00
Yellow Ebenezer or Japanese.....	40	1 35	2 25
Red Onion Sets.....	35	1 15	2 00
Multiplier Onions.			
Yellow.....	60	2 00	3 75
White.....	60	2 00	3 75
Egyptian Top Onions.			
Fall delivery.....	40	1 25	2 25
Garlic Sets. Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.25.			
Potato Onion Sets (True Potato). Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.25.			

Sow Peas Very Early in Spring for Best Results

OKRA or GUMBO

One ounce will plant about 100 feet of drill

CULTURE. Sow when the weather is warm and settled, in drills 1 inch deep and 3 feet apart; thin to 12 inches.

Dwarf Green. A very prolific sort. The short, deep green, corrugated pods are of fine quality. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Lady Finger. Similar to Kleckley's Favorite. Very productive; extra-long, slender, rounded pods. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Long Green. Long ribbed pods; very productive. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. 90 cts.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

PARSLEY

One ounce will plant about 150 feet of drill

CULTURE. Sow early in the spring in drills 1 foot apart and ½ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as carrots.

Kitchen Pride. A new variety, for garnishing. It is the finest curled of all; the leaves are densely cut, much like the Fern-leaved types, but more compact; deep green color. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1.25.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Our seed has been saved from plants of exhibition calibre. Pkt. 25 cts., 5 pkts. \$1.

Fern-leaved. This is a distinct variety. Pkt. 10 cts., oz. 30 cts., ¼lb. 65 cts., lb. \$1.75.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

PARSNIP

One ounce will plant about 200 feet of drill; 5 to 6 lbs., an acre. Takes 16 weeks from seed to maturity.

CULTURE. Sow as early in spring as the ground can be worked, in drills 18 inches apart. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

Improved Hollow-Crown. A great improvement over the old-time Hollow-Crown variety; clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 20 cts., ¼lb. 55c., lb. \$1.25.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly and is therefore suitable for sowing as a second crop, following spinach or lettuce; or if put in when long Parsnips are sown, may be pulled soon after midsummer. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.



Admiral Beatty Peas

GREEN PEAS

One pound (equal to about 1 pint) will plant 100 feet of drill.

CULTURE. Sow round, smooth-seeded sorts as early in the spring as practicable, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure as long a productive season as possible. Use single or double rows 4 feet apart and cover 2 inches. Sorts growing over 1½ feet need the support of brush or wire. Varieties marked * are wrinkled Marrows.

Early Smooth-Seeded Sorts

Early Bird. Combines the hardiness of the round-seeded types with the quality of the wrinkled Marrowfats. The plant grows 4 feet high. Throughout its height it bears profusely 4-inch pods closely packed with Peas of fine flavor. Yields in 9 weeks from seeding. ½lb. 30 cts., lb. 60 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Eight Weeks. A remarkable dwarf super-first-early round-seeded Pea. 1½ feet high. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. Sixty days from planting to picking. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Market Surprise. Vines 3 feet tall, bear 3½-inch pods in great quantities, within 60 days from sowing. A round-seeded sort of truly remarkable sweetness. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Early Wrinkled Sorts

***Gradus or Prosperity.** One of the standard sorts. Vines have light green leaves, and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. Sixty-five days from seed to picking. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxtonian.** The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxton's Progress.** The pods are 4 inches long and are filled with eight large, melting, sweet Peas. The plant grows 1½ feet high. 60 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Little Marvel.** Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3½ inches in length, square at bottom, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Sawco Market.** Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Award of Merit, R.H.S. (Eng.). Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Sutton's Excelsior.** Dwarf and very productive. Height 1½ ft. Matures in 63 days. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***Teton.** Vines are 30 inches tall, carrying single pods, blunt in shape, dark green in color, and over 4 inches long, well packed with 7 or 8 large Peas of fine quality. Resistant to wilt. Yields in 9 weeks. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Thomas Laxton.** The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking at the same time as Sutton's Excelsior. ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***World's Record.** An improved Gradus, maintaining the high yield and flavor of that variety, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Main-Crop Sorts

***Admiral Beatty.** It is 3½ feet high, and the Peas are wrinkled; their cooking quality is excellent. The pods are long and pointed, contain nine or ten Peas, and are produced abundantly. Bears in eleven weeks from seeding. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Alderman.** On generous soils it grows to a height of 5 to 6 feet. The pods contain seven large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Boston Unrivalled or Telephone.** A fine tall late variety. The yield of pods is good and they are uniformly well filled. 5 ft. Twelve weeks from seed to harvest. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Delicious.** The dark green, stocky, vigorous vines are only 2 feet high, covered with an abundance of large, long, tightly filled pods; in them are as many as 9 or 10 big, sweetly melting, delicious Peas. Crop may be gathered about 75 days after seeding. ½lb. 30c., lb. 55c., 2 lbs. \$1, 5 lbs. \$2.25.

Scientists Report That Peppers Furnish Vitamins to a Marked Degree

MAIN-CROP PEAS, continued

***Potlach.** The best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods. A continuous bearer from July 1 to 15 in most seasons. 2 ft.; takes 13 weeks in which to grow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Quite Content.** One of the largest-podded Peas in existence. This variety is preferred by many growers to Alderman on account of its size. 5 ft. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Sawco Forty.** A dwarf plant which produces pods $5\frac{1}{2}$ to $6\frac{1}{2}$ inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

Champion of England. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Edible-podded Sugar Peas

Used in the same manner as wax beans

Luscious Melting Sugar. Large, broad pods, which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Very Dwarf White Sugar. Height $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

PEANUTS

CULTURE. These require similar soil conditions to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills $2\frac{1}{2}$ feet apart and $1\frac{1}{2}$ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and is suitable for northern gardens. Pkt. 10 cts., lb. 45 cts.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York. Pkt. 10 cts., lb. 45 cts.

PEPPER

One ounce will produce about 1000 plants.
Picking commences 9 to 12 weeks
after setting out plants

CULTURE. Peppers should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant into rows 20 inches apart each way, and keep the soil clean and well stirred. Productiveness may be increased by pinching the first or "king" blossoms which appear.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome Peppers. It produces its fruit as early as Ruby King and it is similar in shape, while it has the fine flavor and large size of Chinese Giant. The fruits are $3\frac{1}{2}$ inches in diameter by 5 inches long, four lobed, and the flesh is very thick, mild, and sweet. Excellent for the private estate, the amateur, and the commercial grower. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Perfection Pimiento. The meat is 2 or 3 times as thick as that of the Bell types. The quality is very sweet and delicious and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.



World Beater Pepper

Harris' Earliest. Produces Peppers very quickly. Valuable for sections where summer is too short for ordinary types. The plant is covered with fruits 3 inches long and squarish. Excellent quality; suitable for home or market. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

California Wonder. The thickest flesh, and is one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Golden Dawn. A yellow sweet Pepper of excellent table quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Large Bell or Bull Nose. A large, early variety of pleasant flavor, though mild. This is the variety for green stuffed Peppers. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Neapolitan (Jersey Sweet; White Cap). Very early and an extraordinary yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Ruby King. Fruits are $4\frac{1}{2}$ to 6 inches long, $3\frac{1}{2}$ inches thick, and bright red. Used largely for pickles, and is equally suitable for slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Sunnybrook Cheese. A very prolific and popular canning variety. Fruits average 3 inches in diameter and 2 inches deep. The skin is smooth and of deep scarlet color and the flesh is thick and sweet. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Hot Peppers

Hungarian Wax. A beautiful pungent Pepper, turning from green to yellow when young, and red when ripe. Matures early. Long type, fruits 5 to 6 inches. Prolific. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

SEED POTATOES

CULTURE. The best soil is a well-drained fibrous loam. Before planting, work in Sawco General Fertilizer at the rate of 1000 pounds to the acre if applied broadcast, or 500 pounds if applied in the rows. Plant good-sized pieces, each containing not less than two eyes, $1\frac{1}{2}$ feet from piece to piece in 3-foot rows.

About 10 bushels or 4 sacks will plant an acre. A sack contains $2\frac{1}{2}$ bushels (150 pounds).

Semesan Bel. It controls diseases of seed potatoes, producing sprouts of healthy vigor, from which grow increased yields of clean, healthy plants and tubers. 4 ozs. 45 cts., lb. \$1.50, 5 lbs. \$6.75, 25 lbs. \$31.

Standard Early Potatoes

Mature in 9 to 11 weeks

Early White Albino. A good cropper. The skin and flesh are pure white, of good cooking quality, and very prolific. One of the best early varieties to withstand blight and disease. Keeps well. $\frac{1}{2}$ pk. 85 cts., pk. \$1.25, $\frac{1}{2}$ bus. \$2.15, bus. \$4, sack \$9.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, sack \$8.

Early Rose. (Selected.) A pink-skinned variety which is grown extensively in some sections. A Potato of good size and fine quality. $\frac{1}{2}$ pk. 85 cts., pk. \$1.25, $\frac{1}{2}$ bus. \$2.15, bus. \$4, sack \$9.

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. White skin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips. $\frac{1}{2}$ pk. 85 cts., pk. \$1.25, $\frac{1}{2}$ bus. \$2.15, bus. \$4, sack \$9.

Best Main-Crop Potatoes

Mature in 12 to 14 weeks

Russet. The haulm is dark green; very resistant to blight. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white, and the skin has a roughened russet appearance. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, sack \$8.

Gold Coin. A variety of remarkable productiveness and fine table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, sack \$8.

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, sack \$8.

Purchaser pays transportation on Seed Potatoes beyond 50 miles of New York

Sweet Potato Plants

Ready in June

Yellow Jersey. Big Stem. Yellow.
Each variety, \$1 per 100, \$7.50 per 1000

We do not ship Sweet Potatoes beyond 50 miles

Sow Radishes All Year and Have a Constant Supply on the Table

PUMPKINS

One ounce will plant 50 hills.
Fruits are ripe 15 to 17 weeks
after sowing seed.

CULTURE. Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Mammoth Tours. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

RADISHES

One ounce will plant about 100 feet of drill

CULTURE. As early in the spring as the ground can be worked, sow sparingly any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown about July 1, and may be pulled after light frosts and stored through winter.

The round and olive types are suitable for forcing in a hotbed during winter or in coldframes.

Round and Olive-shaped

Ready in about 25 to 30 days

Glowing Ball. Received the highest award of the 1934 All-America Seed Selections. A splendid forcer, with small tops; also a good outdoor variety. Has a scarlet-red color, suffused with orange. Shape perfectly round; flesh crisp; mild flavor. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Crimson King. Suitable both for outdoor growth and for forcing, though the tops are somewhat larger than other indoor sorts. Matures early and grows to a large size without becoming hollow or springy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Early Scarlet Turnip. Handsome, flat-round roots, $\frac{3}{4}$ inch in diameter by $\frac{1}{2}$ inch deep through. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.10.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.



Early Scarlet Globe Radishes

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

**ALL-AMERICA
WINNER, 1935**

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Early Long Sorts

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by $\frac{3}{4}$ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Summer Varieties

Ready in about 40 days

Long Scarlet Chartier or Shepherd. The color at the top is crimson, running through pink to a white tip. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Golden Yellow Oval. The Radishes have a yellow skin, which should be removed when preparing roots for the table. Flesh pure white, mild, crisp, and solid. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Long-keeping Winter Varieties

Ready in about 8 weeks

Sakurajima. Very large Japanese sort; diameter 1 foot and length 21 inches. The skin is white and the flesh is always crisp and tender. Delicate flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Round Black Spanish. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

RHUBARB

CULTURE. Plant the roots in well-manured land, 3 feet apart. Sow seed in spring in drills a foot apart; transplant the following season 3 feet apart. One ounce of seed should produce about 1000 roots.

Rhubarb Roots. 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong clumps, 25 cts. each, \$2.50 per doz., \$20 per 100. Extra-large clumps for forcing in the greenhouse or cellar, 50 cts. each, \$5 per doz., \$35 per 100. Purchaser pays transportation.

Rhubarb Seed. The variety **Victoria** has given good results for many years. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

RUTABAGA. See Turnip.

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill

CULTURE. Sow early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

SCORZONERA

Black Salsify

One ounce will sow about 50 feet of drill

CULTURE. Cultivate the same as salsify. The roots should be washed, boiled tender, then peeled.

Improved. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

SEA KALE

One ounce will produce about 300 plants

Sow in drills 2 feet apart, thin out to 12 inches. The blanched leaf-stalks are boiled and served with cream sauce; or the roots may be dug and "forced" during winter in the same way as Witloof Chicory. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

SWISS CHARD

Spinach Beet

One ounce will plant about 100 feet of drill.
Cutting commences in about 7 weeks

An excellent boiled-leaf vegetable, equal in quality and easier to prepare than spinach. The leaf-stalks may be served as a distinct dish. Sow early in spring in rows and thin to 6 inches.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. Breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Giant Lucullus. Plants grow to a height of 2 to 2½ feet and the stalks are 1½ inches broad, heavily ribbed, and from 10 to 12 inches long. The large leaves are heavily crumpled. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

Home-Grown Spinach Is Delicious. Even the Children Like It

SPINACH

One ounce will plant about 100 feet of drill, About 6 weeks elapses between seeding and gathering.

CULTURE. Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach requires rich soil.

Emerald Standing. A very large and vigorous type of compact, flat, spreading growth. The leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. The color is a very dark green. The most important point about this Spinach, however, is that it stands fully one month longer than any other variety before bolting to seed. In spite of this, it is quite early to mature. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Blight-Resistant. A strain of Savoy-leaved Spinach which may be grown successfully on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

New York Market. This Spinach grows rapidly and produces unusually large, thick, dark green crumpled leaves. In rich land the plants very often measure 2 feet across. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

Savoy-leaved. A variety highly valued alike by market growers and home gardeners. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. We offer a special long-standing type. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Large Thick-leaved. Splendid for the market grower. Slow to run to seed; recommended for spring and early fall seedings. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Princess Juliana. Delicious table quality. Also, it stands longer without running to seed than other kinds. Rapid grower; lush, deep green color. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

Victoria Long-Standing. Of low, compact habit; leaves shining dark green and heavily crumpled, forming a dense, flat rosette. Slow to shoot to seed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Long Season. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Monstrous Viroflay. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Prickly or Winter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 75 cts.

New Zealand Spinach

Ready in about 10 weeks from sowing

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Recommended also for soils too poor to carry Spinach of the usual type.

Sow during May, in drills which should be at least 2 feet apart, as the plants spread rapidly. Thin to 9 inches between plants in the row. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Perpetual Spinach

The seed of this desirable plant may be sown any time from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.



New York Market Spinach

Mustard Spinach (Tendergreen)

A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.25.

SQUASH

One ounce of Early Squash will plant about 25 hills

CULTURE. It is not advisable to plant before May 15. Sow in hills 6 feet apart.

Summer Varieties

Ready in about 9 weeks from sowing

Table Queen (Acorn). A Squash that bakes splendidly. Its size makes it suitable for baking whole. One of the earliest to produce, the fruits are the shape of an acorn, 6 inches long by 4 $\frac{1}{2}$ inches in diameter; dark green shell, but the flesh is light yellow and thick. A trailing summer Squash, that also keeps well into winter. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 80c., lb. \$2.

Long Island White Bush. An improvement on the Old White Scalloped Patty Pan Squash, with less prominent ridges and a thicker, heavier fruit. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Giant Bush Summer Crookneck. In the Giant Bush we have the delicious buttery flavor of the original Crookneck Squash, but just double the size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Straightneck. A golden summer Bush Squash of delicious flavor, selected from the Giant Summer Crookneck, but with a straight neck. Fruits are wanted, 18 to 20 inches long. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Custard. Mammoth strain of the Early Yellow Scalloped Bush. Quality excellent. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

Zucchini. Is served everywhere in southern Europe and has been meeting with favor in this country. Very prolific, tender, and of mild flavor. The fruits should be gathered when they are 6 inches in length, and are prepared like any other Squash, or fried in the same way as eggplant. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Fall or Winter Varieties

Ready in from 14 to 15 weeks from sowing

Chicago or Warded Hubbard. A selection of the largest and best rough-skinned specimens. Ideal for the home market. Vines of strong, robust growth; fruits large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.25.

FALL OR WINTER SQUASHES, continued

Golden Hubbard. The fruits are of the same shape as the Green Hubbard, but they average one-third less in size. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Boston Marrow. A very popular Squash for fall or winter use. Oval in form; bright orange color; flesh yellow. A splendid keeper and excellent for pies. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh from 5 to 10 pounds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Noodle Squash

Puncture one end of the fruit and cook it for 30 to 40 minutes. Prior to serving, cut it in half, and the flesh will fall out in shreds, suggestive of spaghetti. May be served hot with sauce, salt, and butter, or as a cold dish with vinegar dressing. The mottled green fruits, 8 to 12 inches long, turn yellowish white and resemble the Marrow Squash in appearance. Pkt. 15 cts., oz. 50 cts.

See also PUMPKIN.

SORREL

One ounce will sow about 100 feet of drill

CULTURE. Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable. Yields for several years. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

VEGETABLE MARROW

One ounce will plant 50 hills. Ready in about 8 weeks after sowing.

Occupies an important place in European gardens, and is considered superior by some to Squash. Cultivation is similar to that of Squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

Long Green Trailing. The fruits are about 20 inches in length and 3 to 4 inches in diameter, with dark green skin, marbled with a paler shade. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Long White Trailing. The fruit is similar in shape to the Long Green. The yellowish white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Moore's Cream. An improved small-fruited variety. The fruits are oval, cream-colored, and of a very delicate flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Mixed Vegetable Marrow. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Have You Ever Grown Small-Fruited Tomatoes?—Decorative and Delicious



Marglobe Tomato

TOMATOES

One ounce will produce about 1000 plants. They yield in from 9 to 13 weeks after setting out plants, the time largely depending on the variety.

CULTURE. Seed may be sown sparingly in a hot-bed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. For an autumn crop, sow seed in May in the open ground. The fruit is greatly improved if kept off the ground by giving the plants some support.

Marglobe. A large Tomato of the globe type. It is a fine red color and of delicious table quality. Sets fruits medium early and continuously. A feature is its *strong, robust constitution*; it resists wilt, is immune to rust, and will produce fruit during periods of unfavorable weather. Used alike on the large estate and by the home gardener; excellent for the market grower. Pkt. 15 cts., 1/2oz. 40 cts., oz. 70 cts., 1/4lb. \$2.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Coming into bearing ahead of most sorts, it continues to yield after others have ceased. A large scarlet fruit, deeply globular in shape, it is just the size and shape for slicing economically. Resistance to wilt and rust has been bred into this variety. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

Oxheart. A distinct, attractive variety of recent introduction and very popular for the home or roadside stand. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., 1/2oz. 45 cts., oz. 80 cts., 1/4lb. \$2.25.

Scarlet Dawn. A new, deep globe-shaped variety, very quick to commence bearing, and very prolific. Fruits are bright scarlet, solid, and of pleasing flavor. Highly resistant to disease. Awarded the Gold Medal, All-America Seed Trials, 1935. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

Rutgers. New sort that makes a big, vigorous plant on which large, globular, deep red fruits are borne in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

John Baer. An early, bright red Tomato of wonderful quality. It is one of the heaviest-yielding sorts we know. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Ponderosa. Enormous size is the chief characteristic of this variety. While slightly ribbed, it is very solid and luscious. The fruits are deep purple, oblong in form and with small seed-cells. They frequently weigh one pound each or more. The flavor is good. Pkt. 15 cts., 1/2oz. 50 cts., oz. 90 cts., 1/4lb. \$2.50.

Stone. One of the most reliable main-crop red Tomatoes and a favorite with truckers and canners. The plant is very vigorous and the deep red fruits are produced freely; they are uniform, large, round, smooth, meaty, and possess very little core. The flavor is non-acid. Stone is notable for its heavy yield and high quality. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts., 1/4lb. \$1.50.

Bonny Best. A leader among the early sorts. The fruits are bright red in color, of medium size, and are produced in large quantities. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears large Tomatoes throughout the season, and for quantity and quality of fruit it is without a rival among the extra-earlies. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts., 1/4lb. \$1.50.

Beefsteak or Crimson Cushion. The largest of the bright red Tomatoes. Crimson Cushion is fairly symmetrical in shape, and thick from stem to blossom end; in fact, it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple. Flesh is firm and of superb quality. Pkt. 15 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Earliana. The earliest red Tomato. Plants have short, close-jointed branches, and set fruit very freely in the center. The fruits average 3 inches in diameter and 2 1/4 inches in depth; solid, with few seeds. Pkt. 10c., 1/2oz. 30c., oz. 50c., 1/4lb. \$1.50.

Essex Wonder. An English outdoor variety that combines hardiness with high quality and heavy yield. May be set out earlier in the season than other sorts. It has a thin skin, plum-like pulp, abundant juice, and is free from tough, fibrous matter. Pkt. 35 cts., 3 pkts. \$1.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Dwarf Champion. Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., 1/2oz. 35 cts., oz. 60 cts., 1/4lb. \$1.75.

Dwarf Stone. The fruits, produced in clusters of three to five, average 4 inches in diameter and 2 1/2 inches in depth. Pkt. 10 cts., 1/2oz. 35 cts., oz. 60 cts., 1/4lb. \$1.75.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are unique and attractive, and their pleasing, sweet flavor also make them desirable.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color. Pkt. 15 cts., 1/2oz. 45 cts., oz. 75 cts., 1/4lb. \$2.

Yellow Cherry
Red Cherry
Red Currant
Peach

Red Pear
Yellow Pear
Red Plum
Yellow Plum

Each, pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts., 1/4lb. \$2

Strawberry or Husk Tomato

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., 1/2oz. 45 cts., oz. 75 cts., 1/4lb. \$2.

Forcing Tomatoes

For cultivation under glass.

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., 1/4oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.

Stirling Castle. Very heavy cropper of medium-sized, smooth, round, clear red fruit. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.

Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Pkt. 20 cts., 1/4oz. 40 cts., oz. \$1.25.

Victory Forcing. A popular variety in England. Pkt. 50 cts., 3 pkts. \$1.25.

WATERMELONS

One ounce will plant about 50 hills. Ready in from 12 to 13 weeks after sowing.

CULTURE. Plant about 8 seeds in a hill, and have the hills 8 feet apart; thin to 3 plants to a hill.

Cole's Early. Succeeds in northern states, where Watermelons never matured before. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., 1/4lb. 60 cts., lb. \$1.50.

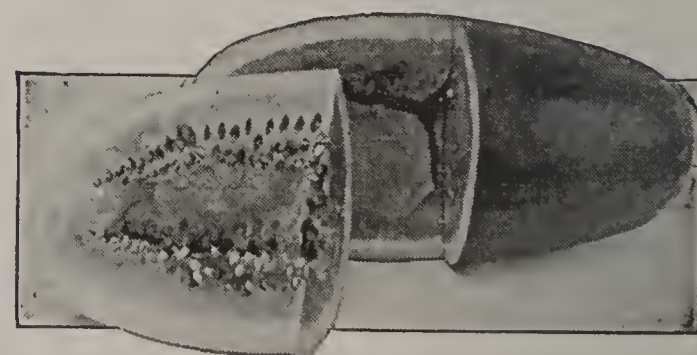
Kleckley Sweets. The sweetest of all the Watermelons. Fruits large with very brittle, unusually thin, green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 20c., 1/4lb. 50c., lb. \$1.25.

Early Fordhook. The quickest-maturing, large-fruited Watermelon grown, and therefore suitable for the North. Fruits are short and "stubby," though large. The flesh is bright scarlet, crisp, and of splendid quality. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.

Pride of Muscatine. A wilt-resistant variety. Outwardly resembles Kleckley Sweets. Flesh is light pink, with edible qualities slightly inferior to other types offered, but for wilt-infested areas will prove outstanding. Pkt. 10 cts., oz. 25 cts., 1/4lb. 70 cts., lb. \$2.

Citron. Used for preserves. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$1.50.



Tom Watson Watermelon

All our packets bear directions for growing the seeds contained in them—clearly written and up-to-date.

Grow Herbs for an Interesting Cuisine—Grow Them for Decoration Also

TURNIP

One ounce will plant about 150 feet of drill

CULTURE. For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in June to first of August, but other kinds for winter use may be sown from the middle of July to the end of August.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender, and of the most delicate flavor. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

Purple-Top White Globe. Spherical shape, skin white with the upper one-third colored purple. The flesh is of superior flavor. May be stored over winter. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Splendid table qualities. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. 90 cts.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

Long White or Cow-Horn. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Herb Seeds

A., Annual
P., Perennial

Anise (*Pimpinella Anisum*). A. Pkt. 15 cts., oz. 30 cts.

Arnica (*A. montana*). P. Pkt. 15 cts.

Balm. P. Pkt. 15 cts.

Basil, Sweet (*Ocimum basilicum*). A. For flavoring. Pkt. 10 cts., oz. 25 cts.

Bee-Balm. P. Pkt. 15 cts.

Bene (*Sesamum orientale*). A. Dysentery remedy. Pkt. 15 cts., oz. 40 cts.

Borage (*Borago officinalis*). A. Salad plant. Pkt. 15 cts., oz. 30 cts., ¼lb. \$1, lb. \$3.

Burnet (*Sanguisorba minor*). P. Pkt. 10 cts., oz. 25 cts.

Caraway (*Carum carvi*). A. Flavors liquids, bread, and cake. Pkt. 10 cts., oz. 25 cts.

Catnip (*Nepeta cataria*). P. Pkt. 15 cts., oz. 65 cts.

Chamomile (*Anthemis nobilis*). P. Tonic; febrifuge. Pkt. 15 cts.

Chives. P. Pkt. 15 cts., oz. \$1.

Coriander (*Coriandrum sativum*). A. Aromatic. Oz. 15 cts., ¼lb. 35 cts., lb. \$1.

Cumin (*Cuminum Cyminum*). Fennel Flower. A. Pkt. 10 cts., oz. 25 cts.

Dill (*Anethum graveolens*). A. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts.

Fennel, Sicilian (*Foeniculum vulgare*). P. Pkt. 15 cts., oz. 30 cts., ¼lb. 80 cts.

Hop (*Humulus lupulus*). P. Pkt. 15 cts.

Horehound (*Marrubium vulgare*). P. Medicinal. Pkt. 15 cts., oz. 40 cts.

Hyssop (*Hyssopus officinalis*). P. Medicinal. Pkt. 15 cts., oz. 40 cts.

Lavender. P. Pkt. 10 cts.

Marjoram, Sweet. P. Pkt. 15 cts., oz. 50 cts.

Rosemary. P. Pkt. 15 cts., oz. 50 cts.

Rue. P. Pkt. 15 cts., oz. 50 cts.

Sage, Common. P. Pkt. 15 cts., oz. 50 cts.

Savory, Summer (*Satureia hortensis*). A. Culinary. Pkt. 15 cts., oz. 40 cts.

Savory, Winter (*Satureia montana*). P. Culinary. Pkt. 15 cts., oz. 50 cts.

Thyme, Common. P. Pkt. 15 cts., oz. 75 cts.

Thyme, French (*Thymus vulgaris*). P. Small-leaved. Pkt. 15 cts., oz. 50 cts.

Wormwood (*Artemisia absinthium*). P. Pkt. 15 cts., oz. 40 cts.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are very numerous and large, and are recommended to those who esteem "Turnip-tops" as a particularly healthful and palatable green cooked vegetable. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. 90 cts.

RUTABAGA

Russian or Winter Turnip

Long Island Improved. This special strain is of uniform shape and fine quality, and is also a splendid keeper. It grows to a large size, the skin is smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

HERB PLANTS.

For the Kitchen Garden and for the formal, fragrant, old-time Herb Garden

Balm (*Melissa officinalis*). Lemon-scented foliage used for salads and flavoring.

Bee-Balm, Oswego Tea, or Bergamot (*Monarda didyma*). Entire plant fragrant.

***Chives** (*Allium Schoenoprasum*). A refined substitute for onion in the kitchen.

***Lavender** (*Lavandula vera*). Munstead strain. Imparts fragrance to linen; from it "Lavender Water" is distilled.

Lavender-Cotton (*Santolina incana*). Aromatic plant, valuable for edging in herb gardening.

***Marjoram, Sweet** (*Origanum Majorana*). Leaves employed for seasoning; oil used in perfumery.

Mints

Applemint (*Mentha rotundifolia*). The foliage is used in flavoring beverages.

Creeping Mint (*Mentha Requienii*). A miniature variety for planting in "crazy pavements."

***Peppermint** (*Mentha piperita*). True English. From the tops cordial is distilled. Used for flavoring juleps.

***Mint, Spearmint** (*Mentha viridis*). Common garden Mint.

Mugwort (*Artemisia lactiflora*). Fragrant, tall plant for herb-garden background planting. Once a household remedy.

***Rosemary** (*Rosmarinus officinalis*). Fragrant foliage used for seasoning.

Rue (*Ruta graveolens*). Bitter leaves used for seasoning and beverage-flavoring. Oil used for toilet preparations.

***Sage, Common** (*Salvia officinalis*). Employed for stuffings, sauce-making, and general seasoning. Oil used in perfumery.

Any of the above, except Tarragon, 90 cts. for 3, \$3.25 per doz., \$22.50 per 100

KITCHEN GARDEN HERB PLANT COLLECTIONS

One plant each of the above 12 varieties marked * \$3.25; three plants each, \$9

Purchaser pays transportation on Plants beyond 50 miles of New York

VEGETABLE SEED COLLECTIONS

They save time and money.

COUNTRY GARDEN COLLECTION.

Forty distinct vegetables, in quantity sufficient to take care of the normal requirements of a family of six, and to plant a garden 50 by 100 feet. Selected separately these would cost \$6. Price of the Collection \$5.

SUBURBAN COLLECTION. Thirty distinct varieties, for a plot 25 by 100 feet. Selected separately these would cost \$3. Price of the Collection \$2.50.

DOLLAR COLLECTION. We have supplied this assortment for many years, and always it has given satisfaction. 18 packets. Price of the Collection \$1.

RELIEF GARDEN COLLECTION.

Made up of twenty-one reliable varieties that will keep a plot 50 by 100 feet filled with vegetables the summer through. Selected separately these would cost \$2.75. Price of the Collection \$2, 1 doz. Collections \$21, 100 Collections \$150.

CHILDREN'S COLLECTION. As furnished New York schools. For a plot 15 by 15 feet or more. Small packets of the **seven** quick vegetables that are easy to grow: beans, beets, carrots, kohlrabi, lettuce, radish, chard. 1 doz. Collections \$3.50, 100 Collections \$25.

***Savory, Winter** (*Satureia montana*). Seasoning herb. Valuable edging plant.

Southernwood, Old Man (*Artemisia Abrotanum*). Well-known scented plant. Keeps moths from stored clothing. Used for flavoring cakes, etc.

***Tansy** (*Tanacetum vulgare crispum*). Employed for seasoning and flavoring.

***Tarragon** (*Artemisia Dracunculus*). French. For salads and flavoring vinegar. Oil in perfumery. 50 cts. each, \$5.50 per doz.

Thymes

***Citron or Lemon Thyme** (*Thymus citriodorus*). Lemon-scented carpeting plant.

***Common Thyme** (*T. vulgaris*). English, Broad-leaved. Herbage used as seasoning.

Crimson Thyme (*T. Serpyllum coccineus*). Dense, fragrant mat-plant for edging.

Mother-of-Thyme, Creeping Thyme (*T. Serpyllum*). Valuable evergreen edging. May be used for seasoning.

Wormwoods

Beach Wormwood, Old Woman (*Artemisia Stelleriana*). Whitish green edging plant, 2 feet high. Valuable in herb gardening.

Common Wormwood (*A. absinthium*). Wormwood tea is a well-known vermifuge in herbal medicine. Flavors absinthe.

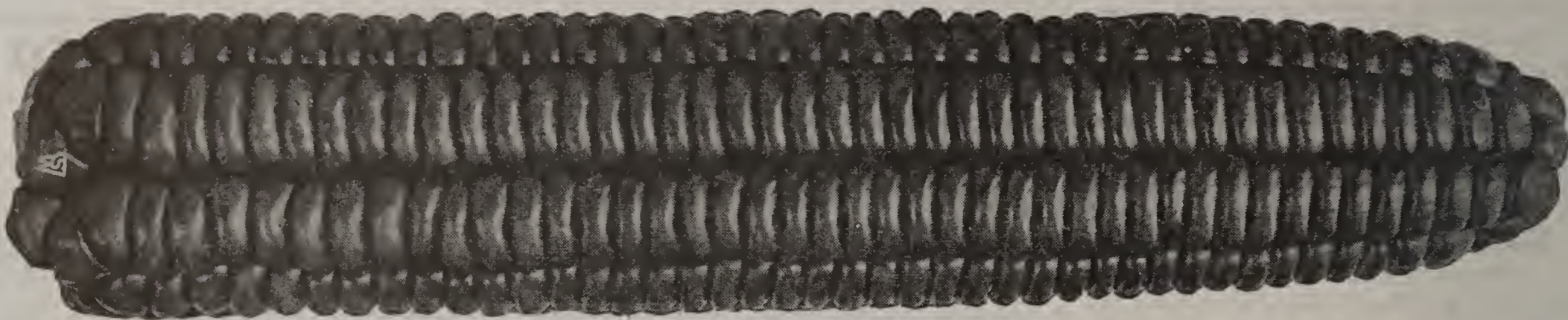
Fringed Wormwood (*A. frigida*). For flavoring. Used in perfumery. Decorative plant under 1 foot high.

Yarrows or Milfoils

Common Yarrow (*Achillea Millefolium*). Fragrant foliage. Used in old gardens.

Woolly Yarrow (*A. tomentosum*). A carpet-like, gray-green, aromatic, edging plant.

Farm Seeds of High Quality



Longfellow Flint Corn

Prices are subject to change without notice. Purchaser pays transportation on Farm Seeds beyond 50 miles of New York

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID CORNS

These will give you higher yields, deeper roots that will resist storms and droughts, and have less disease.

S. & W. Co.'s Hybrid Yellow Dent.

Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Pk. \$3.50, bus. \$10.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.85, bus. \$6.50, 10 bus. \$62.50.

Golden Eureka (Dent). Under favorable conditions may yield over 150 bushels to the acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 to 20 rows, yellow grains, and small cob. Frequently produces 25 tons of good silage per acre. Needs 100 days of Corn weather. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Pk. \$1.35, bus. \$4.25, 10 bus. \$40.

Lancaster Sure Crop (Dent). Excellent early yellow Corn; makes an abundance of silage, while the ears average 1 foot. Stalks 9 feet high. Matures in 107 days. Pk. \$1.35, bus. \$4, 10 bus. \$38.

Longfellow (Flint). Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Jumbo Silage. (Fodder.) Improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4.25, 10 bus. \$40.

Improved Horsetooth. (Fodder.) Pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. \$5.50, 10 bus. \$52.50.

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large, yellow kernels that have a buttery tint when popped. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$2.75, 100 lbs. \$20.

Japanese Hulless. Small, white kernels. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$17.

POP-CORN FOR POPPING, Sunburst. Lb. 20 cts., postpaid 30 cts.; 5 lbs. 85 cts., 10 lbs. \$1.50, 100 lbs. \$12.

Japanese Hulless. Lb. 20 cts., postpaid 30 cts.; 5 lbs. 90 cts., 10 lbs. \$1.75, 100 lbs. \$15.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Victory. Tall, white, medium-late, heavy-yielding sort. Suits heavy soils. Qt. 20 cts., postpaid 30 cts.; pk. 85 cts., bus. (32 lbs.) \$2.50, 10 bus. \$22, 100 bus. \$200.

Lenroc. Highly recommended. Plump, nearly white berry. Good yielder. Qt. 20 cts., postpaid 30 cts.; pk. 85 cts., bus. (32 lbs.) \$2.50, 10 bus. \$22, 100 bus. \$200.

Welcome. Heavy, handsome, and productive. Swedish type. Pk. 60 cts., bus. (32 lbs.) \$1.85, 10 bus. \$17.50, 100 bus. \$165.

Cornellian. Gray kernels, high yielding and meaty. Pk. 75 cts., bus. (32 lbs.) \$2.25, 10 bus. \$20, 100 bus. \$185.

ALPHA BARLEY. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

SPRING RYE. Catch-crop where winter grain has failed; valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bus. with 75 lbs. of Vetch. When grown alone, sow $1\frac{1}{2}$ bus. of Rye per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.00.

MARQUIS WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bus. per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1.25, bus. \$4, 10 bus. \$38.

WHEAT FOR COOKING. Lb. 15 cts., postpaid 25 cts.; 10 lbs. \$1, 100 lbs. \$8.

MILLET

Catch-crops to replace corn, wheat, or other crop which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.40, 100 lbs. \$10.

Hungarian. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.40, 100 lbs. \$9.

Japanese Barnyard. Sow 25 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUNDRY FARM SEEDS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

BROOM CORN. Sow 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

KAFFIR CORN. For semi-arid regions. Valuable for poultry, hogs, and cattle; not suitable for pasture. Sow 15 pounds per acre in rows; 50 pounds per acre broadcast. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

MILO MAIZE. Used for soiling and fodder. Sow 15 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

JAPANESE BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3, 10 bus. \$27.50.

FLAX or LINSEED. Grown primarily for the seed for its oil and the making of meal. Use 75 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.50.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

SEMESAN JR. IMPROVED. Corn-disinfectant. Protects seed against rotting, increases germination, controls blight. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3.25, 25 lbs. \$14.

CERESAN IMPROVED. Cereal disinfectant. Controls smut and seed-borne scab. Lb. 70 cts., 5 lbs. \$3, 25 lbs. \$12.75.

Up-to-Date Varieties for the Modern Farm

CLOVERS Seed of Maximum Purity and Highest Germination

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices are subject to change.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American Seed. Lb. 80 cts., postpaid 90 cts.; 10 lbs. \$7.50, 100 lbs. \$65.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American Seed. Lb. 85 cts., postpaid 95 cts.; 10 lbs. \$7.85, 100 lbs. \$67.50.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than other varieties. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 75 cts., postpaid 85 cts.; 10 lbs. \$6.50, 100 lbs. \$55.

White Dutch Clover. Used in mixtures for pastures or lawns. Lb. 75 cts., postpaid 85 cts.; 10 lbs. \$7, 100 lbs. \$60.

Kentish Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. ¼lb. \$1, lb. \$3, 10 lbs. \$27.50.

Alfalfa or Lucerne. Resists drought because of its deep roots. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American Seed. Lb. 80 cts., postpaid 90 cts.; 10 lbs. \$7, 100 lbs. \$60.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 85 cts., postpaid 95 cts.; 10 lbs. \$7.50, 100 lbs. \$67.50

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$2.75, 100 lbs. \$20.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3, 100 lbs. \$22.50.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 40 cts., postpaid 50 cts.; 10 lbs. \$3.25, 100 lbs. \$25.

Hubam. Annual white Sweet Clover. Will produce a bumper crop and attain maturity the first season. Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.50, 100 lbs. \$35.

Lespedeza. For pasture, hay and lawns on poor land in warmer sections of the country. **Korean or Japan or Common.** Either variety, lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3.00, 100 lbs. \$20.00.

LEGUME CULTURE. Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 35 cts., 2 bus. 55 cts., 5 bus. \$1.10. Clover units, ½bus. 35 cts., bus. 55 cts., 2½ bus. \$1.10. Garden unit, 35 cts. Please state crop for which Culture is desired.

HAY AND PASTURE

FORMULA A. Grasses and clovers for *loamy soils*. 40 pounds per acre.

FORMULA B. Grasses and clovers for moist, *bottom land*. 40 pounds per acre.

FORMULA C. Grasses and clovers for *orchards and shade*. 40 pounds per acre.

FORMULA D. Grasses and clovers for *poor soils*. 40 pounds per acre.

Price of Mixed Seeds for Hay-Fields and Pastures, formulas A, B, C, or D. Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.50, 100 lbs. \$35.

FORMULA E. Grasses (no clovers); hay or pasture. 50 lbs. per acre. Lb. 45 cts., postpaid 55 cts.; 10 lbs. \$4, 100 lbs. \$30.

FORMULA F. *Mixed Clovers* (no grasses) for pasture. 20 lbs. per acre. Lb. 75 cts., postpaid 85 cts.; 10 lbs. \$6.50, 100 lbs. \$55.

FORMULA G. *Timothy-Red-Top-Clover Mixture.* For hay or pasture at low cost. 30 pounds per acre. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3, 100 lbs. \$22.50.

For renovating, allow one-half the quantities recommended above.

Cornell 1938 Formulas

	Lbs. per acre	Lb.	Lb. ppd.	10 lbs.	100 lbs.
Hay and Pasture.....	22	\$0 55	\$0 65	\$4 75	\$37 50
Pasture only.....	25	50	60	4 50	35 00

Accurately compounded; but we use higher quality ingredients than specified.

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or ½ bus. of a cereal and 75 lbs. of Vetch. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

Winter or Hairy Vetch (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or ½ bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

CANADA FIELD PEAS. Three bushels per acre or 1½ bus. Peas and 1½ bus. Oats. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

New Era. Peas dull lead-colored. Early.

Whippoorwill. Brown-speckled seed. Above sorts, qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4.25, 10 bus. \$40

SOY BEANS

Used for improving soils by plowing under; as a fodder crop they yield fifteen or more tons per acre. Sow 4 to 8 pecks to the acre.

Mammoth Yellow. For hay or plowing under.

Wilson. A black-seeded sort. Early. Above sorts, qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.25, 10 bus. \$40.

Cayuga. Suitable for production of beans in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. \$5, 10 bus. \$45.



Champion Yellow
Globe Mangel

ROOTS FOR STOCK

Palatable, digestible, nutritious, and easily stored food is yielded in large quantity by Mangels, Rutabagas, and Carrots.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. The skin is bright red, and under favorable conditions the roots may reach 3 feet in length. Oz. 20 cts., ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

Champion Yellow Globe. Roots moderate in size and of exceptional quality. Yellow skin; white flesh; highly nutritious. ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

Pedigreed Ideal. Cylindrical in shape and grows high out of the ground. Yellow skin and white flesh; highly nutritious. ¼lb. 60 cts., lb. \$1.50, 10 lbs. \$12.50.

Half-Sugar Rose. Long root with pink skin and white flesh. ¼lb. 40 cts., lb. 85 cts., 10 lbs. \$8.

Golden Tankard. ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

Mammoth Long Yellow. ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 20 cts., ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. ¼lb. 50 cts., lb. \$1.25, 10 lbs. \$11.

Long Island Improved. Oz. 20 cts., ¼lb. 45 cts., lb. \$1.25, 10 lbs. \$11.

CATTLE CARROT

Valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. ¼lb. 45 cts., lb. \$1, 10 lbs. \$9.

Danvers Cattle. ¼lb. 60 cts., lb. \$1.50, 10 lbs. \$12.50.

Long Orange Cattle. ¼lb. 50 cts., lb. \$1.25, 10 lbs. \$11.

Fruit Trees

High-quality plants which, if treated with average care, are sure to succeed. They should be planted when received, in rich soil, the roots being carefully separated. In dry weather water and mulch them. **Shipping Season, April and May.** Purchaser pays transportation beyond 50 miles.

Apple Trees

5 to 7-foot standards; main stem $\frac{1\frac{1}{2}}$ -inch diameter. \$2 each

- Baldwin.** (Early Winter.) Large; skin deep red; flesh juicy, crisp, good flavor.
Delicious. (Early Winter.) Large; dark red; flesh fine-grained, crisp, and melting, juicy, with splendid flavor.
Early McIntosh. (Summer.) Same qualities as famous Winter McIntosh, but ripens in summer.
Hyslop. (Crab.) Large, handsome crimson fruits splashed with dark red. Very prolific.
Yellow Transparent. (Early Summer.) Fruit medium to large, with a brilliant yellow, waxy skin; flesh is tender, crisp, and juicy.

Peach Trees

4 to 5-foot standards; main stem $\frac{5}{8}$ -inch diameter. \$2 each

- Belle of Georgia.** (Late.) Freestone. Fruit large, white with red cheek.
Champion. (Early.) Rich creamy white with red cheek; delicious, rich, and juicy.
Crawford's Early. Freestone. Large, oblong yellow fruit, with deep red cheek; flesh yellow, juicy, and rich.
Crawford's Late. Freestone. Large; deep yellow, juicy. Ripens after Elberta.
Elberta. (Midseason.) Freestone. Fruit large, yellow, with red cheek, of good quality. The leading market variety.

Cherry Trees

5 to 6-foot standards; main stem $\frac{1\frac{1}{2}}$ -inch diameter. \$2.50 each

- Black Tartarian.** (Early; Sweet.) Very large; black; rich. Very vigorous grower and good producer.
Governor Wood. (Early; Sweet.) Large; yellow with red cheek; tender, rich, delicious. Productive.

Pear Trees

5 to 7-foot standards; main stem $\frac{1\frac{1}{2}}$ -inch caliper. \$2 each

- Bartlett.** (Late Summer.) Large; flesh white, fine-grained, luscious, sweet, rich, buttery flavor.
Duchess. (Late Fall.) Fruit large, light green patched with russet, juicy and sweet.
Seckel. (Summer.) Medium size; yellowish brown with deep brownish red cheek; flesh fine-grained, sweet, and juicy.

Plum Trees

5 to 6-foot standards; main stem $\frac{1\frac{1}{2}}$ -inch diameter. \$2 each

- Abundance.** Fruit large; flesh light yellow, juicy and sweet.
Burbank. Fruit very large; dark violet-red; juicy.

BUSH FRUITS

We cannot ship CURRANTS and GOOSEBERRIES outside of New York State due to Federal Quarantine

Blackberries

Blackberries should be planted as suggested for raspberries.
Extra-strong canes, 20 cts. each, \$2 per doz., \$15 per 100

- Blowers.** Large; glossy; fine quality.
Eldorado. Large, coal-black, sweet, melting.

Gooseberries

Plant in the same manner as described for currants. They will need close pruning every year.

3-year-old stock, 50 cts. each, \$5 per doz., \$40 per 100

- Downing.** Pale green, large, prolific and good.
Houghton. (Red.) The berries are of medium size.

Currants

Plant in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way. The soil should be well cultivated to a depth of 12 inches.

3-year-old stock, 35 cts. each, \$3.50 per doz., \$25 per 100

- President Wilder.** Bush upright, vigorous, bearing excellent, large, bright red berries.
Fay's Prolific. (Red.) A very vigorous-growing bush.

Grapes

High-Quality 2-year-old Vines, 50 cts. each, \$5 per doz.

- Catawba.** (Red.) Dark red. Bunch large, moderately compact, shouldered; berries medium large.
Concord. (Black.) Early. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender.

Grapes, continued

- Delaware.** (Red.) Bunch small, compact, sometimes shouldered; berries small; skin thin, but firm.
Niagara. (White.) Bunch very large, often shouldered; compact; berries large, round; skin thin.

Raspberries

Raspberries succeed well on any good land, but amply repay high cultivation. Plant in rows 6 feet apart at 3-foot intervals.

20 cts. each, \$2 per doz., \$15 per 100

- Latham.** The berries are large and round and the color is a richly brilliant red.
Cuthbert. (Red.) The best red Raspberry. Heavy yielder and is a very vigorous grower.
White Queen. This new Raspberry bears an abundance of almost white fruits.
St. Regis. Ripens very early, in advance of other varieties. Besides yielding a crop in June, it gives a moderate one in autumn.
Plum Farmer. (Blackcap.) This is the best variety in the opinion of many.



STRAWBERRIES Are Easily Grown

Rich soil, kept firm and with a plentiful supply of moisture, is desirable. Select potted plants and space them at 9-inch intervals in rows 2 feet apart in June, July, or August.

Keep the row well weeded at all times, and your hoeing must be very shallow, because all feeding roots are close to the surface. Whiten the soil around the plants with General Garden Fertilizer in November and May. Spread $\frac{1}{2}$ inch of peat moss over both ground and plants in December, and brush it lightly off the leaves in April.

Strawberry Plants produce daughter plants around the parent, and as care of a bed develops into routine, it is usual to retain daughter plants at approximately 9 inches apart; in early autumn, transplant unwanted plants into new rows and destroy the year-old parents.

Runners connecting plants should be cut as soon as young ones are rooted.

EARLY

- Dorsett.** A very vigorous-growing variety. Early. Bright red, cone-shaped berries.
Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

Potted Plants, \$2 per doz., \$10 per 100, \$80 per 1000. August delivery

MIDSEASON AND LATE

- Big Joe.** A very productive variety with extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.
Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

New Jersey. Produces an abundance of large, bright flame-colored berries.

Potted Plants, \$1.50 per doz., \$8 per 100, \$70 per 1000. August delivery

The above types produce one abundant crop of flowers, followed by fruit, in spring or early summer.

The following types produce flowers rather sparingly all the year. By keeping these pinched off in spring and summer until August 15, and so building up reserved strength in the plant, a fair crop of good fruit will be developed for the autumn.

Everbearing Varieties

- Mastodon.** Fruit is very large and produces berries from summer to late fall.
Progressive. Produces fruit all season. Berries of medium size and full flavored.

Potted Plants, \$2 per doz., \$10 per 100, \$80 per 1000. August delivery

The more leaves a Strawberry plant has during the autumn, the larger the crop will be in the spring. Potted plants supplied by us all have four to six leaves when you receive them.

Above will be ready in August; the following are ready May 1

Alpine Strawberries (Small Fruited)

- Baron Solemacher.** Red fruits. Exceedingly sweet.
Baron Solemacher. Yellow fruits. Exceptional flavor.

Potted Plants, \$2 per doz., \$10 per 100

Alpine Strawberries may also be grown from seed. See page 45

Note. Strawberry Plants cannot be shipped to points outside the Japanese Beetle area.

FOUR NEW and RARE Gladiolus

PICARDY

Finest apricot-pink.

MINUET

Finest light lavender.

DR. F. E. BENNETT

Finest flame-scarlet.

LOYALTY

Finest rich yellow.



PICARDY

MINUET

DR. F. E. BENNETT

LOYALTY

*We offer the above
four outstanding
Gladiolus. Remarkable
varieties that
can now be obtained
at a very reasonable
cost*

Special Collection Offer

20 bulbs, 5 each of 4
varieties.....\$1.25

40 bulbs, 10 each of 4
varieties.....\$2.40

100 bulbs, 25 each of 4
varieties.....\$5.50

1000 bulbs, 250 each of
4 varieties.....\$50.00

SOLD IN COLLECTIONS ONLY
AT THESE PRICES

Sixty-Nine Gladiolus, Listed Under Their Respective Colors

APRICOT, BUFF,
CREAM—Apricot Glow
Duna
Paradise
Wasaga

BLUE, LIGHT
Ave Maria
Blue Danube
Blue Triumphator
Heavenly Blue

BLUE, DARK—Aida
Blue Admiral
Pelegina
Veilchenblau

CREAM-WHITE
Joerg's White
Maid of Orleans
LAVENDER-PINK
Berty Snow
King Arthur
Lilac Wonder
Minuet

SALMON-PINK
Gloriana
Halley
Mildred Louise
Mr. W. H. Phipps
Picardy

ORANGE
Alice Tiplady
Betty Nuthall
Copper Bronze
La Paloma
Orange Imperator
Orange Princess
Orange Queen
Salmon Emperor

PINK and SALMON
(With decided blotch)
Frank J. McCoy
Mrs. Frank Pendleton

LIGHT PINK
Coryphee
Debonair
Giant Nymph
Los Angeles
Mrs. P. W. Sisson
Mrs. T. E. Langford

RED
Bill Sowden
Commander Koehl
Flaming Meteor
Morocco (Dark)
Red Lory
Red Phipps

SCARLET
A-Flame
Amador
Dr. F. E. Bennett
Mrs. F. King
Pfitzer's Triumph
Wurtenbergia

WHITE
Albatross
Carmen Sylva
Mammoth White
Polar Ice
Star of Bethlehem
White Butterfly

PURPLE
Charles Dickens
Paul Pfitzer

YELLOW
Gate of Heaven
Golden Dream
Golden Goddess
Loyalty
Primrose Princess
Souvenir

ART SHADES—Bagdad
Emile Aubrun
Marmora
Mother Machree

THREE FINE LILIES *for Spring Planting*

We offer below selected bulbs of three of the finest Lilies which bloom in the early summer. All three varieties should be planted, for best results approximately 6 inches deep. All are fine for garden planting.



Lilium Henryi. Selected bulbs, 35 cts. each,
\$3 for 10, \$25 per 100



Lilium speciosum magnificum. Selected
bulbs, 25 cts. each, \$2.25 for 10, \$20 per 100



Lilium regale. THE ROYAL LILY. Selected bulbs, 15 cts. each,
\$1.40 for 10, \$12 per 100



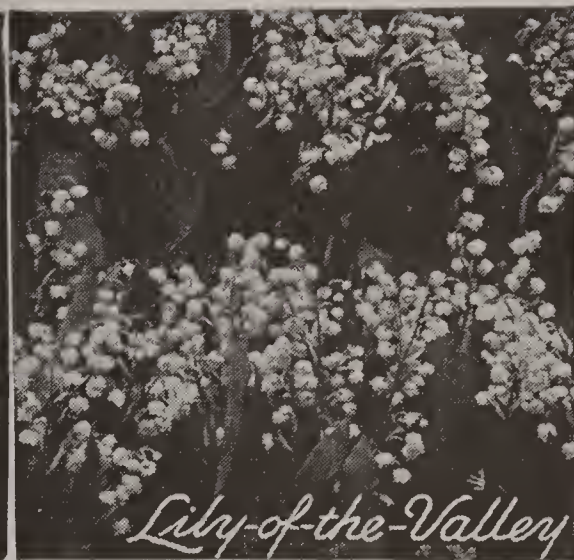
Canadense



Superbum



Tigrinum splendens



Lily-of-the-Valley

HARDY LILIES

The Lilies offered below are among the best for spring planting. For a more extensive list, we refer to our Fall Bulb Catalogue, issued in August. Our list is confined to those varieties we know, from actual trials, do well, and the following varieties will prove satisfactory if planted by June 1.

Lilies do best in the hardy border or among shrubbery, for the reason that the flowering stems bear masses of roots immediately below the ground surface, and the shady situation helps these roots to better feed the plant; when through

flowering, these roots help in the rehabilitation of the bulbs for another season. Any good garden soil with good drainage will do. In planting, cover bulbs at least twice their diameter except several varieties for which we recommend shallow planting, and, if possible, spread 1 inch of sharp builders' sand under the base, so that after the bulbs make basal roots the sand will provide drainage if water-logged in winter. When hard frost sets in, cover with 4 to 6 inches of leaves or litter which should be removed when spring arrives.

Auratum. The Golden-rayed Lily of Japan.

The flowers are pure white, thickly studded with reddish brown spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from July to September, and possess a most delicious fragrance. 3 to 5 feet. Plant deep. Each 10 100

8 to 9-in. bulbs....\$0 25 \$2 25 \$20 00
11 to 13-in. bulbs.... 45 4 00 35 00

Auratum platyphyllum. The tallest and largest of the Auratums, with broader, darker leaves and larger flowers similar to Auratum, but lacks the spots, leaving a pure white bloom with a yellow band.

Each 10 100
8 to 9-in. bulbs....\$0 40 \$3 50 \$30 00
11 to 13-in. bulbs.... 50 4 50 40 00

Batemanniæ. Batemann Lily. Like *L. elegans* in habit, with erect, chalice-shaped flowers of rich apricot color produced in July. It grows 3 to 4 feet high, with the flowers held upright on the top, and enjoys ordinary garden soil in full sunlight, with a ground-cover. Stem-rooting, but need not be planted so deep as most. 30 cts. each, \$2.50 for 10, \$20 per 100.

Canadense. The red Meadow Lily of fields and roadsides. In July, its tall stems, 3 to 8 feet high, bear great sprays of nodding, bell-like, bright orange-crimson flowers dotted with maroon. 30 cts. each, \$2.50 for 10, \$20 per 100.

Davuricum. See **Umbellatum.**

Elegans, Alice Wilson. Erect, dwarf plant, 1 to 3 feet high, with upright flowers of bright lemon-yellow, very bright and showy in June. Plant shallow in light soil in full sun. Good for naturalizing or rock-gardens. 30 cts. each, \$2.50 for 10, \$20 per 100.

Hansoni. Hanson's Lily. Delicately fragrant, nodding flowers of pale yellow-orange, with thick, waxy, recurved petals, in clusters above broad whorls of leaves on stems 2 to 4 feet high. Likes shade, moist soil and blooms very early in June. Plant moderately deep. 40 cts. each, \$3.50 for 10, \$30 per 100.

Henryi. Henry's Lily or the Yellow Speciosum. A very lovely flower of the Speciosum type. It grows 8 to 10 feet high or more in favorable places, and likes to root among low shrubs, sending its tall stems up into the sunlight where its bright apricot-yellow flowers may show at their best. Ordinary soil suits it, and moderately deep planting. Blooms in July and August. Strong bulbs, 35 cts. each, \$3 for 10, \$25 per 100.

Philippinense formosanum. In reality a hardy Easter Lily. Grows 1½ to 2 feet tall, with large, white, trumpet-shaped blooms, suffused on the exterior with reddish brown. Possesses a delightful fragrance. Blooms in September. Stem-rooting; plant 8 inches deep. Hardy and prolific. 25 cts. each, \$2.25 for 10, \$20 per 100.

Regale. A regal beauty. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is delightful, similar to the jasmine. A splendid hardy Lily for the garden, flowering about July 1. The easiest Lily to grow.

First-size bulbs, 6 to Each 10 100
7 in. circum.....\$0 15 \$1 40 \$12 00
Mammoth bulbs, 7 to
8 in. circum..... 20 1 80 15 00
Jumbo bulbs, 8 to
9 in. circum..... 30 2 80 25 00
Monster bulbs, 9 to
10 in. circum..... 40 3 80 35 00

Speciosum album. The White Speciosum, which is usually grown with Magnificum and Auratum, is a very dainty Lily. Flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum.

Each 10 100
7 to 8-in. bulbs....\$0 30 \$2 50 \$20 00
8 to 9-in. bulbs.... 50 4 50 40 00

Speciosum magnificum. Oriental Orchids. Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum, or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the handsome *Lilium auratum* offered above. Blooms outside during August. Each 10 100

8 to 9-in. bulbs....\$0 25 \$2 25 \$20 00
11 to 13-in. bulbs.... 45 4 00 35 00

Superbum. The Turk's-Cap Lily. Considered the handsomest American Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. It likes to be planted deep in moist, well-drained soil. 30 cts. each, \$2.50 for 10, \$20 per 100.

Tenuifolium. Coral Lily. A dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Likes damp soil among rocks, with access to sunlight above. Plant 6 inches deep. 20 cts. each, \$1.50 for 10, \$12 per 100.

Tigrinum splendens. The Tiger Lily is well known, with its showy, spotted red-orange flowers in wayside gardens in August and later. Very easy to grow, thriving in full sun in any soil. Plant shallow. 25 cts. each, \$2 for 10, \$18 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome in a way than the original. It blooms later and requires the same treatment. 25 cts. each, \$2 for 10, \$18 per 100.

Umbellatum. Burning red-orange flowers held upright and produced in June. Of easy culture and particularly suited for the border. Plant shallow in full sunlight in well-drained soil. 20 cts. each, \$1.80 for 10, \$15 per 100.

NOTE: We carry a complete list of Lilies in cold storage for planting in your greenhouse in the summer and autumn for winter blooming. Varieties and prices sent on request.

LILY-OF-THE-VALLEY

For Outdoor Planting

In the past, many garden enthusiasts have planted *clumps* of Lily-of-the-Valley in sheltered locations in their gardens. On account of the ruling of the Federal Horticultural Board, these clumps, before leaving Europe, must have all soil removed from their roots. Our experience in the past is that clumps received with the soil removed are not satisfactory for outdoor planting. The best way to get a good Lily-of-the-Valley bed, and the method used by professional gardeners, is to plant two-year-old *pips* 4 inches apart. This method will produce a better bed than by using clumps. We offer for this purpose pips of smaller size than those used for growing Lily-of-the-Valley indoors and at attractive prices. 10 pips 75 cts., 25 pips \$1.50, 100 pips \$5, 1000 pips \$40.

For Greenhouse Growing

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. For **growing indoors** these pips are the best that can be planted. 25 pips \$2.50, 100 pips \$9, 250 pips \$21, 500 pips \$40, 1000 pips \$75.



Field of Gladiolus growing on our Farms. Here the Long Island soil produces Gladiolus bulbs of strong vitality.

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be planted 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, to prevent the soil from becoming hard and dry, is advisable. Where desired for garden decoration or exhibition, we advise plants being staked after attaining the height of one foot. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for the best results.

Gladiolus may be planted at intervals for a succession of bloom, and those held for planting should be kept in a cool place. Patrons who plant late for September flowers may order their corms in the spring; we will keep them in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us have been given every protection against Thrips. You should, however, continue treatment after you receive them. We recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the growing tips when doing this. Burn the skins.

2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the bare corms in the liquid for a period of seven hours. Allow them to dry, then plant.

During Growth

3. Mix 1 ounce of Paris Green, 2 pounds of brown sugar, and 3 gallons of water. Keep stirred, and spray the growing plants lightly but thoroughly with the mixture every 10 days until the first flower-bud opens.

When Bulbs Are Lifted

4. In autumn, cut off the tops from the lifted corms and burn them. Place the corms

in a low, but not freezing, temperature to cure for six weeks.

5. Place in boxes covered with paper, for one month, first dusting through them one pound of Thripco to each 1000 corms; or use Naphthalene Flakes at the rate of one ounce per 100 corms, or one-half pound per 1000 corms. Avoid containers with close-fitting lids, because ventilation is necessary.

6. At the end of the month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

NOTE. Semesan and Paris Green are poisons, and care must be taken in their use.

A-Flame. *Scarlet.* Six or more enormous florets are open at one time. Brilliant orange-flame, deepening to begonia-rose. A valuable tall sort for exhibition. Midseason. 50 cts. for 10, \$4.50 per 100.

Aida. *Deep blue,* each floret having a lilac-red spot; they are large, 5 usually open at once, and about 3½ inches across. Early. 80 cts. for 10, \$7 per 100.

Albatross. *White,* without a trace of color, 6 to 8 florets open at a time. Strong-growing sort for exhibition. Early. 90 cts. for 10, \$8 per 100.

Alice Tiplady. *Orange.* Straight spikes with immense flowers; brilliant orange-salmon, and golden throat. Early. 50 cts. for 10, \$4.50 per 100.

Amador. *Scarlet.* Probably the most brilliantly colored variety in our list. The flowers are large and of an intensely glowing shade. Grows vigorously and is seldom affected by midsummer heat. Midseason. \$1.15 for 10, \$10 per 100.

Apricot Glow. *Apricot.* With 4 or 5 flowers open at once, wide and fairly large. Early. 50 cts. for 10, \$4.50 per 100.

Ave Maria. *Light blue.* Large flowers with small purple blotches. An exhibition sort. 80 cts. for 10, \$7 per 100.

Bagdad. *Art shade.* A midseason exhibition sort, unusual in color and size. The attractive smoky rose shade is deeper at the edges, with lighter throat. Six or more flowers, 6 inches across, are open at one time. 80 cts. for 10, \$7 per 100.

Berty Snow. *Lavender-pink.* Flowers are very large and well placed on long, strong spikes. Early. An exhibition sort. 55 cts. for 10, \$5 per 100.

Betty Nuthall. *Orange.* Light coral with pale orange throat. Flowers often 6 inches across, with 6 to 8 open at once. Midseason exhibition sort. 50 cts. for 10, \$4.50 per 100.

Bill Sowden. *Red.* Fine new variety, producing immense blooms of a rich deep shade of red. Splendid for exhibition. Midseason. 90 cts. for 10, \$8 per 100.

Blue Admiral. *Dark blue.* The tall, straight spikes carry many florets that open together. An excellent new midseason variety. \$1.60 for 10, \$15 per 100.

Blue Danube. *Light blue.* Striking pure amethyst-blue, with contrasting blotch of dark blue. A fine tall-growing variety, with 6 to 8 florets open at once. Midseason. \$1.15 for 10, \$10 per 100.

Blue Triumphator. *Light China blue.* Suffused silver. Large. 90c. for 10, \$8 per 100.

Carmen Sylva. *White,* with no touch of color. The flowers are effectively spaced on long, erect spikes. Midseason. 55 cts. for 10, \$5 per 100.

Charles Dickens. *Purple-violet.* Strong 5-foot spikes, bearing 10 to 12 large flowers, open at once. Exhibition sort. Late. 55 cts. for 10, \$5 per 100.

Commander Koehl. *Red.* Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. 70 cts. for 10, \$6 per 100.

Copper Bronze. *Orange.* Coppery bronze, tipped with a metallic tint. Early. 55 cts. for 10, \$5 per 100.

Coryphee. *Pink.* Produces 8 to 10 large, well-formed flowers of the purest pink. Midseason. 80 cts. for 10, \$7 per 100.

Debonair. *Pink,* throat marked with cream and lightly dusted with crimson, sometimes with a flaking of dark pink; 6 to 8 blooms open at once. A midseason exhibition sort. 90 cts. for 10, \$8 per 100.

Dr. F. E. Bennett. *Scarlet.* Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Flowers are wide open and held on tall, stiff stems. A marvelous variety for exhibition. 55 cts. for 10, \$5 per 100.

Duna. *Buff;* a soft apricot hue, lightening to yellow at the base of the lip petals, with 5 to 6 large, wide florets open at once. An early variety. 90 cts. for 10, \$8 per 100.

Emile Aubrun. *Art shade*—a blend of terracotta and coppery bronze, with a grayish sheen; red spot in the center of each large floret. A late-growing exhibition sort. 55 cts. for 10, \$5 per 100.

Flaming Meteor. *Red.* A spectacular flaming color with florets of immense size. One of the finest for exhibition. Midseason. \$2.25 for 10, \$20 per 100.

Frank J. McCoy. *Blotched pink;* a pure rosy hue with a red spot on the lower petals. Long spike, with 6 to 8 large florets open at once. A fine, midseason exhibition sort. 90 cts. for 10, \$8 per 100.

GLADIOLUS *The Cream of the World's Best Varieties*

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Gate of Heaven. *Yellow.* One of the leading exhibition sorts in this color. Probably the deepest yellow in cultivation. Nicely formed spike; large, ruffled florets. Early. \$2.25 for 10, \$20 per 100.

Giant Nymph. *Pink.* Light rose-pink, with creamy yellow throat; very large, wide-open flowers, on long stems. An exhibition sort. Midseason. 50 cts. for 10, \$4.50 per 100.

Gloriana. *Salmon-pink.* Fine, large, well-opened blooms of attractive salmon, shaded with gold; throat pure yellow. Midseason. 50 cts. for 10, \$4.50 per 100.

Golden Dream. *Yellow;* pure golden, with tall, straight stems. A variety for cut-flowers. Exhibition sort. Late. 50 cts. for 10, \$4.50 per 100.

Golden Goddess. *Yellow.* Plant Patent No. 77. From 10 to as many as 16 florets are open at one time. Mammoth in size, and wonderful in its deep, rich golden color. Invaluable for exhibition. Midseason. \$3.25 for 10, \$25 per 100.

Golden Measure. Discarded for Golden Dream.

Halley. *Salmon-pink.* Very popular on account of its earliness. Beautiful salmon-pink, with creamy yellow blotch in throat. 50 cts. for 10, \$4.50 per 100.

Heavenly Blue. *Light blue.* The flowers are aniline. A real, first-class variety with very long spikes, having more than 10 blooms open at one time. Midseason. 90 cts. for 10, \$8 per 100.

Joerg's White. *Cream-white.* The florets are pure white and they have a yellow spot on each lower petal, with faint carmine lines. Recommended for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

King Arthur. *Lavender-pink.* Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. Early. \$1.50 for 10, \$12 per 100.

La Paloma. *Orange.* An exceptionally large-flowered variety of pure, vivid orange. Early. 50 cts. for 10, \$4.50 per 100.

Lilac Wonder. *Lavender-pink.* Tall, wiry stems with florets of a pleasing color, effectively placed. Early. 90 cts. for 10, \$8 per 100.

Los Angeles. *Pink.* Beautiful shrimp-pink, with glowing orange-carmine blotch in throat. Tall and graceful; blooms for a long time. Midseason. 50 cts. for 10, \$4.50 per 100.

Loyalty. *Yellow.* The flowers are large, many open at one time, and of a clear, pure shade of yellow, deeper in the throat. For exhibition purposes it is unrivaled. 80 cts. for 10, \$7 per 100.

Maid of Orleans. *Cream-white.* The pure white florets have cream throats. Because many perfect florets are in full bloom at once, it is excellent for exhibition. Midseason. \$1 for 10, \$9 per 100.

Mammoth White. *White.* One of the largest sorts, the florets often 7 inches across. Splendid for exhibition. Midseason. 80 cts. for 10, \$7 per 100.

Marmora. *Art shade;* lavender-gray with a light purple spot. Immense in size and fine for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Mildred Louise. *Salmon-pink.* The lower petals are tipped strawberry-pink, with a yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems are strong and flexible, carrying from 18 to 22 florets. This variety produces one of the finest spikes of bloom, combined with attractive color, and is recommended for exhibition. Midseason. 90 cts. for 10, \$8 per 100.

Minuet. *Lavender-pink.* Considered by many to be the last word in a light lavender Gladiolus. The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time on a good, strong stem. A sort that is recommended for exhibition. Late. 80 cts. for 10, \$7 per 100.

Morocco. *Red;* a deep, glistening color, almost blackish. An exhibition sort, with 6 to 8 florets open at one time on a fine spike. Midseason. 70c. for 10, \$6 per 100.

Mother Machree. *Art shade;* a smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at one time. A good show sort. Midseason. 90 cts. for 10, \$8 per 100.

Mr. W. H. Phipps. *Salmon-pink.* Huge flowers, perfectly placed on a tall stem, are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby, 15 to 20 open at once. Good exhibition sort. Late. 55 cts. for 10, \$5 per 100.

Mrs. Dr. Norton. Discarded for Giant Nymph.

Mrs. Francis King. *Scarlet.* Brilliant flamingo-pink, blazed with vermilion-red. Popular variety on account of its attractive color. Midseason. 50 cts. for 10, \$4.50 per 100.

Mrs. Frank Pendleton. *Pink and salmon.* Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. Midseason. 50 cts. for 10, \$4.50 per 100.

Mrs. P. W. Sisson. *Pink.* The color of this variety is a most pleasing shade of pure cameo-pink, unmarked with any other color. Stems are strong and sturdy while the beautiful ruffled flowers are of good size. Exhibition sort. Midseason. 50 cts. for 10, \$4.50 per 100.

Mrs. T. E. Langford. *Pink.* A tall and vigorous-growing variety of attractive apple-blossom-pink, flaked with canary-yellow in the throat. As many as 10 florets open at one time, which makes it an excellent variety for exhibition. Late. \$1.60 for 10, \$15 per 100.

Orange Emperor. *Orange.* The large florets have excellent substance. A fine early variety. \$1.30 for 10, \$12 per 100.

Orange Princess. *Orange;* a pure salmon-orange tint with a lighter hue in the throat. Slightly ruffled. Fine exhibition sort. Early. \$1.30 for 10, \$12 per 100.

Orange Queen. *Orange.* Purest apricot-orange of a very warm tint; deeper at the edges of the petals; large, open flowers on a good stem. One of the best Primulinus for showing. Early. 50 cts. for 10, \$4.50 per 100.

Paradise. *Apricot.* Clear light apricot-buff. Tall, straight spikes; perfect placement. A wonderful exhibition variety. \$1.15 for 10, \$10 per 100.

Paul Pfitzer. *Purple.* Fine reddish purple, many florets opening at once on a vigorous stem. Midseason. 80c. for 10, \$7 per 100.

Peace. Discarded for White Butterfly.

Pelegina. *Dark blue.* This variety was imported by us from Europe several years ago. It is one of the finest dark blue-violet varieties ever introduced, with large individual florets. Early. 80 cts. for 10, \$7 per 100.

Pfitzer's Triumph. *Scarlet.* One of the largest and finest Gladiolus. The blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and remarkable size make this a fine exhibition sort. Late. 55 cts. for 10, \$5 per 100.

Picardy. *Salmon-pink.* Few Gladiolus approach this in the widespread enthusiasm it has evoked wherever seen. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. We recommend it highly for both garden and exhibition purposes. Midseason. 55 cts. for 10, \$5 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. \$1.30 for 10, \$12 per 100.

Primrose Princess. *Yellow.* Bright primrose; the lower petals are amber, with carmine markings in the throat. Well-placed florets on strong spikes. Midseason. 80 cts. for 10, \$7 per 100.

Red Lory. *Red.* Carmine-rose with large red spots. Large florets, nearly all of which are open at once. An exhibition sort. Midseason. 90 cts. for 10, \$8 per 100.

Red Phipps. *Red;* rich and glowing. The free-flowering habit and strong growth of this variety have made it a general favorite. Eight flowers open at once. An exhibition kind. Midseason. 90c. for 10, \$8 per 100.

Salmon Emperor. *Orange;* deeper blotch in the throat. Large, slightly ruffled flowers. Midseason. \$1.60 for 10, \$15 per 100.

Schwaben. Discarded for Loyalty.

Souvenir. *Yellow.* Of the many shades and tints in the beautiful Primulinus type we consider Souvenir the best pure yellow. Flowers graceful and somewhat small. 50 cts. for 10, \$4.50 per 100.

Star of Bethlehem. *White,* with a touch of crimson on the lower petals. Tall, slender spike with 6 to 8 immense florets open at one time. Exhibition sort. Early. \$2.70 for 10, \$25 per 100.

Veilchenblau. *Dark blue.* Fine violet-blue flowers with pansy-purple blotches. The effect is that of a velvety sheen. We consider it superior to Baron Hulot, which we have now discarded. Early. 70 cts. for 10, \$6 per 100.

Wasaga. *Buff.* Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. Midseason. 90 cts. for 10, \$8 per 100.

White Butterfly. *White,* with a soft, creamy white throat. A slender stem bears somewhat small flowers which are very beautiful for cut-flower work. 55 cts. for 10, \$5 per 100.

Wurtembergia. *Scarlet;* a fiery shade with cream blotch. A great favorite wherever shown, and one of the finest scarlet Gladiolus in cultivation. 70 cts. for 10, \$6 per 100.

We supply three or more corms of a variety at the 10 rate, 25 at the 100 rate

American Hybrids Mixed

We include a splendid variety of named sorts. The mixture has a popular price to encourage liberal planting. They are well matured and good growers; excellent for cut-flower purposes or for planting in mixed borders. 50 cts. per doz., \$3.50 per 100.

Gladiolus for September Blooming

Many of our patrons desire Gladiolus Bulbs for September blooming. In the neighborhood of New York they should be planted July 1. Order your Bulbs in April. We reserve them and place them in our Cold Storage Warehouse.



Amaryllis



Anemone, Excelsior



Cannas in Border



Hyacinthus candicans
See page 71

Flowering Bulbs and Roots

FOR HOUSE
AND GARDEN

AMARYLLIS

We offer three distinct types. One, S. & W. Co.'s Giant Hybrids, is grown in pots and exhibited at our New York Flower Show. Bulbs of this type usually become dormant in October and may be started indoors from December onward.

S. & W. Co.'s Giant Hybrids. Our strain of bulbs produces vigorous stems with from four to six blooms of the most perfect form, ranging in color from pure white grounds with varied markings of rose, red, and crimson, to the richest self colors, such as scarlet, crimson, bright red, cherry, and almost maroon. The bulbs should be planted in 6-inch pots in good garden loam enriched with a tablespoonful of bone. Cover the bulb up as far as the neck; water sparingly until the flower-stalk appears, then water more freely as the plant advances in growth. Large bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

Equestris. This variety has bright orange-scarlet flowers, with a white throat. 20 cts. each, \$1.75 for 10, \$15 per 100.

Lycoris squamigera. (Amaryllis Halli.) It is perfectly hardy and produces attractive green foliage in early spring, which later dies away. About two months later the flower-stalk appears, growing about 2 feet high and developing an umbel of large, lily-shaped, delicate pink flowers, shaded with clear blue. \$1.50 each, \$12.50 for 10.

ANEMONE

Excelsior Mixture. The plants are taller in growth than the St. Brigid and more single. It contains many fine shades of blue, white, scarlet and crimson, in a well-balanced mixture. 75 cts. for 10, \$6.50 per 100.

CALADIUM ESCULENTUM

Elephant's Ear

Very frequently used as border plants about a residence, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors about June 1.

	Each	10	100
Mammoth-size Bulbs...	\$0 20	\$1 80	\$15 00
Jumbo-size Bulbs.....	35	3 00	25 00

BEGONIAS TUBEROUS-ROOTED

Splendid for shady borders or beds

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas, where they do well.

Bulbs may be lifted in autumn, stored in a cool damp place over winter, for planting the following year.

Single Frilled and Ruffled

We offer this delightful new type which is superior to the plain-edged kind.

Crimson	Copper	White
Yellow	Scarlet	Mixed
Pink	Salmon	

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower.

They are shown in color on the back cover of this Catalogue.

Crimson	Copper	White
Yellow	Scarlet	Mixed
Pink	Salmon	

Bulbs of any of the above, 25 cts. each,
\$2.25 for 10, \$20 per 100

Hanging-Basket Type

This type of Begonia is splendid for vases, hanging-baskets, porch- or window-boxes.

Pink	Scarlet	White	Yellow
30 cts. each, \$2.75 for 10, \$25 per 100			

Narcissiflora Type (Daffodil-Flowered)

This splendid new type of Begonia is a distinct advance. The outer petals resemble the daffodil petal while the center portions of the flower rather suggest the daffodil trumpet. 40 cts. each, \$3.50 for 10, \$30 per 100.

FANCY-LEAVED CALADIUMS

Few, if any, of the summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

Twelve Extra - Choice Each	10	100
Named Varieties.....	\$0 50	\$4 50 \$35 00
Extra-Choice Mixture of		
Named Varieties.....	40	3 50 25 00

CANNA ROOTS

We offer ten distinct varieties of this flowering and foliage plant. Dormant roots of Cannas should be potted in 4- or 5-inch pots or planted in shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York; earlier in the South and later in the North. They should be set about 2 feet apart. Dormant roots may be planted outdoors in May.

Ambassador. Flowers rich cherry-red. Rich bronze foliage and stalk. Height 4 feet.

City of Portland. Deep rich pink. Green foliage. Height 5 feet.

Eureka. The finest white variety. Green foliage. Height 4 feet.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. Height 5 feet.

King Midas. Large flowers of a rich pure yellow. Green foliage. Height 4 feet.

Mrs. Alfred Conard. Large blooms of salmon-pink, with rich dark green foliage. Height 5 feet.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. Height 5 feet.

Wintzer's Colossal. One of the largest-flowering Cannas. Blooms bright deep scarlet. Height 5 feet.

Wyoming. Large flowers of deep orange, with bronze foliage. Height 6 feet.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 feet.

Selected roots, any of above, 15 cts. each,
\$1.25 for 10, \$10 per 100



Tuberose, Excelsior Double Pearl



Oxalis



Gloxinia

Flowering Bulbs and Roots

CALLAS (*Richardia*)

The variety offered below succeeds best when treated in the same manner as gladiolus. Plant in the open border when danger from frost is over, and Callas will flower during the summer. When the tops are killed by frost, dig and store as you would potatoes.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow of velvety texture; the foliage is dark green, with a number of translucent creamy white spots, which add much to its beauty. Strong bulbs, 40 cts. each, \$3.50 for 10, \$30 per 100.

CINNAMON VINE

Dioscorea Batatas

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Selected roots, 15 cts. each, \$1.25 for 10, \$9 per 100.

GLOXINIA

This is, perhaps, one of the handsomest of summer-blooming, tuberous-rooted plants and should be grown more by the amateur than it has been. As a pot-plant for the window-garden it is excellent. The main points to observe are: proper care in watering, good drainage, and properly mixed soil. The cultural directions given for begonias might also be followed for starting and growing Gloxinias. One bulb is usually used for a 4-inch pot.

We offer 7 distinct colors, as well as a mixture of colors, at 40 cts. each, \$3.50 for 10, \$30 per 100.

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place. 30 cts. each, \$2.50 for 10, \$20 per 100.

HYACINTHUS CANDICANS

Luxuriant, free-growing summer-flowering plant; spreads 2 to 3 feet, with spikes 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 15 cts. each, \$1.25 for 10, \$10 per 100.

MADEIRA VINE

Climbing Mignonette. A vine which will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 15 cts. each, \$1.25 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location. We offer 4 distinct varieties of the newer Earlham Hybrids.

Goldfinch. Bright golden yellow, with maroon blotches in the throat.

His Majesty. Very large, wide-open flower. Brilliant scarlet-yellow, center shading to scarlet.

Queen of Spain. Very large flowers of brilliant deep golden orange, reverse of petals golden apricot.

Una. Rich apricot, with carmine blotch; well-shaped flowers of splendid substance.

Any of above varieties, 25 cts. each, \$2 for 10, \$18 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

Any of the above, \$1 for 10, \$2 for 25, \$7.50 per 100

Mixed Large-flowering Varieties. \$1 for 10, \$2 for 25, \$7.50 per 100.

OXALIS

This excellent summer-blooming bulb is fine for edging the borders of walks or flowerbeds.

Deppei. Small; white.

Lasiandra. Rosy pink. Beautifully cut foliage.

Shamrock. Pink flowers. Clover-like foliage. 25 cts. for 10, \$1.50 per 100, \$12.50 per 1000

RANUNCULUS (*Buttercup*)

S. & W. Co.'s Tecolete Giant Mixed. Improved strain. The flowers are fully double, blended with giant semi-double. Our mixture consists of shades of orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a mulch for winter protection. 60 cts. for 10, \$5 per 100.

TIGRIDIA (*Mexican Shellflower*)

This grows well in the open ground in summer as far north as New England and gives a continuous display of gorgeous color from midsummer to frost. A writer in the *Ladies Home Journal* has this to say about it:

"This brilliant silken triangle unfolds from its long slender bud and bursts into sharply contrasting tints of fire, leaping from bright yellow to molten orange and vivid scarlets, and is eagerly sought as a rare but sturdy garden novelty."

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. 10 bulbs \$1.25, 25 bulbs \$2.50, 100 bulbs \$9.

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering in the open border, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs, 10 cts. each, 90 cts. for 10, \$7 per 100.

Albino. A single white variety blooming in July or August. 15 cts. each, \$1.25 for 10, \$10 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Robustus. Light pink.

Rosea. Dark pink.

75 cts. for 10, \$6 per 100



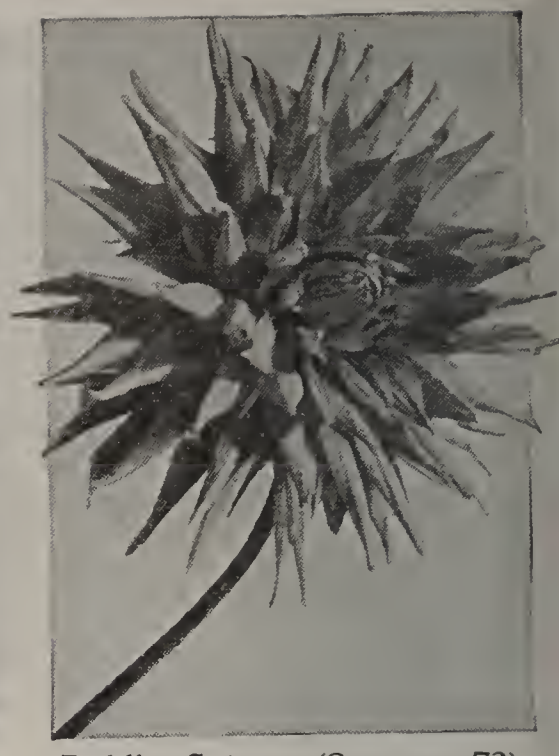
Dahlia, Arela Lloyd



Dahlia, Ambassador. (See page 74)



Dahlia, Bronze Knight



Dahlia, Satan. (See page 73)

NEW AND RARE EXHIBITION DAHLIAS

The garden-lover who has become interested in Dahlias and vies with his neighbor in excelling him at his local Dahlia show, will be interested to know that some of the very high-priced varieties of previous years are now available at more attractive prices. Our list of New and Rare Exhibition Dahlias has been reduced to those that we consider worthy of a place in every garden, and represents the cream of the finest varieties that are available in reasonable quantities. Many of these varieties have been on an honor roll and have been prize-winners throughout the United States. **We offer strong tubers for spring delivery.** In order properly to de-

scribe Dahlias listed as to type of flower, we have noted against each variety the following letters: F.D., meaning Formal Decorative; I.D., Informal Decorative; Semi-C., Semi-Cactus; I.C., Incurved Cactus; C., Straight Cactus. The American Dahlia Society explains these classifications as follows:

Formal Decorative Dahlias (F.D.). Fully double flowers, floral rays generally broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

Informal Decorative Dahlias (I.D.). Double flowers, rays generally long, twisted, pointed; usually irregular in arrangement.

Semi-Cactus Dahlias (Semi-C.). Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

Incurved Cactus Dahlias (I.C.). These are fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

Recurved or Straight Cactus Dahlias (C.). Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

AMERICA'S SWEETHEART. I.D. Deep, full, 12-inch, beautifully formed flowers of clear yellow. Winner of many prizes. One of the very best. \$1.50 each, \$13.50 for 10.

ARELDA LLOYD. I.D. Sport of the great Jane Cowl, with all its good points. Very fine yellow with slightly veined pink petals. Flowers of giant size. Very fine. \$1 each, \$9 for 10.

AVALON. F.D. A fine Dahlia of deep canary-yellow on long, erect stems. Very prolific. Can be used as a cut-flower or garden variety. 25 cts. each, \$2.25 for 10.

BAY SHORE BEAUTY. F.D. *New.* A sport of Jersey's Beauty, of the same robust growth and free-flowering habit. The color is a soft, beautiful shade of orchid-lavender. 50 cts. each, \$4.50 for 10.

BETTY ZANE. I.D. Bright, luscious eosine-pink. The 12-inch flowers are produced freely on perfect stems. A wonderful exhibition variety. \$2 each, \$18 for 10.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, borne on long cane stems that hold them absolutely upright. Good clean grower; insect-proof. This wonderful creation will be a sensation. We have never seen a white bloom so freely. 50 cts. each, \$4.50 for 10.

BRONZE KNIGHT. F.D. *New.* A giant Dahlia of chrome-orange, flushed grenadine-red, the general tone being brilliant orange. An exceptionally robust grower carrying the giant flowers on long, splendid stems. 75 cts. each, \$6.50 for 10.

BUCKEYE KING. F.D. Golden amber, clear and bright, of fine form. An especially free-flowering and long-keeping variety of large size. Popular. 75 cts. each, \$6.75 for 10.

CALIFORNIA IDOL. I.D. An outstanding giant, and a prize-winner from coast to coast. Clear, bright, glistening yellow. Has everything a really great Dahlia should have. Vigorous, healthy grower and good bloomer. \$1.50 each, \$13.50 for 10.

CALIFORNIA ROSE. I.D. Exquisite clear bright rose flower of giant size and great substance. Splendid for exhibition or cutting. Winner of many prizes. Very graceful for such a big flower. \$1.25 each, \$11.25 for 10.

CALUMET. F.D. Very large Dahlia of deep chamois, suffused gold. A flower of good substance and splendid for cutting or the garden. 50 cts. each, \$4.50 for 10.

CRIMSON KING. F.D. Brilliant deep crimson, like a Jack Rose in color. Finely formed flower and a free bloomer. \$1 each, \$9 for 10.

DR. JOHN H. CARMAN. F.D. A massive, broad-petaled Tyrian-rose flower, tipped petunia and silver, on stiff, heavy stem. Free flowering. 50 cts. each, \$4.50 for 10.

ELISSA LANDI. I.D. Although not one of the largest, it is one of the most satisfactory for garden and cut-flower purposes. Rich brilliant salmon-orange flowers held well above the foliage. Very free flowering. \$1.50 each, \$13.50 for 10.

ELIZABETH POTTER. F.D. A new Gold Medal Dahlia, winner of many trophies as a seedling and in display exhibits. A massive, full flower measuring 8 to 12 inches in diameter and 4 to 6 inches in depth. A vigorous, free-flowering, and long, strong-stemmed variety of easy culture. Splendid for cutting or exhibition. Special awards given as a seedling when exhibited at Glen Cove, Oyster Bay, and Westbury, Long Island. 75 cts. each, \$6.75 for 10.

FOREST FIRE. I.D. Lemon-yellow, shaded and flushed scarlet toward the tips of petals. A very spectacular variety with 10-inch flowers. \$1.50 each, \$13.50 for 10.

FRANCIS LAROCO. F.D. Finest large, pure yellow. Vigorous grower and profuse bloomer. 25 cts. each, \$2.25 for 10.

GERTRUDE LOUDEN. I.D. See color illustration. \$1.50 each, \$13.50 for 10.

GOLDEN ECLIPSE. F.D. A great Formal Decorative of rich deep golden yellow with salmon center; 8 to 10-inch blooms on very long stems. 50 cts. each, \$4.50 for 10.

GOOD NIGHT. I.D. Rich maroon, shading to blackish red. An artistic, beautifully formed flower and most popular. 50 cts. each, \$4.50 for 10.

HUNT'S VELVET WONDER. I.D. Deep burgundy-red flowers up to 15 inches across. Roll of Honor and Award of Merit. \$1.50 each, \$13.50 for 10.

JAMES KIRBY. I.D. Rich crimson blooms of great brilliance on exceptionally long stems. The 7 to 9-inch flowers are of very artistic form. Fine for cutting. 50 cts. each, \$4.50 for 10.

JANE COWL. I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over a plant of ideal growth, while the foliage is the thick, leathery kind that insects seldom injure. 30 cts. each, \$2.70 for 10.

JERSEY'S BEACON. F.D. This fine novelty is Chinese-scarlet, paler on the reverse, giving a two-toned effect. It is a great favorite and a real "beacon of the garden." Large; free bloomer; vigorous grower. 25 cts. each, \$2.25 for 10.

NEW AND RARE EXHIBITION DAHLIAS

JERSEY'S BEAUTY. F.D. This is, without a doubt, one of the finest true pink Decorative Dahlias yet introduced. 25 cts. each, \$2.25 for 10.

JERSEY'S TRIUMPH. F.D. One of the real autumn shades—bright copper flushed with salmon-bronze; large flowers. In habit the same as Jersey's Beauty, coming from the same parents. Won the highest award in Holland, 1931. 30 cts. each, \$2.70 for 10.

JIMMY FOXX. I.D. A giant flower reaching a size of 13 inches in diameter by 8 inches in depth, borne on long, straight, stiff stems. Color, coppery red, tinged with henna. Sturdy grower with very heavy foliage. A winner wherever shown. \$7.50 each, \$67.50 for 10.

KATHLEEN NORRIS. I.D. A bloom of massive proportions, with broad, overlapping petals having twisted ends. Color, a true rose-pink, deepening to mallow-pink. Great blooms on perfect stems. 60 cts. each, \$5.40 for 10.

KEMP'S FORT MONMOUTH. I.D. One of the giants of the Dahlia world. In color it is a rich crimson-maroon, with a faint tint of bluish violet at tips of petals. An immense flower, frequently 13 inches in diameter, and borne on long, strong stems, well above the foliage. Does not burn; a fine keeper and an excellent Dahlia for exhibition. 50 cts. each, \$4.50 for 10.

KENTUCKY. F.D. A sport of Jersey's Beauty, having the same good qualities. Color is a wonderfully brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse of petals. Long, strong stems. 25 cts. each, \$2.25 for 10.

KISS ME. F.D. Bicolor, scarlet-red and white. A fine, clean-growing, free-flowering garden and cut-flower variety of dazzling brilliance. 50 cts. each, \$4.50 for 10.

LORD OF AUTUMN. I.D. This beautiful giant yellow has won awards given for the largest and best flower all over this country and Canada. One of the really great Dahlias. \$1.50 each, \$13.50 for 10.

MABEL HESS. F.D. Deep crimson. See color illustration. \$1.50 each, \$13.50 for 10.

MARGRACE. I.D. Brilliant scarlet, tipped and striped gold; very large flowers, on extra-long stems. On three Honor Rolls. \$2.50 each, \$22.50 for 10.

MILTON J. CROSS. I.D. Beautiful apricot-peach with a bright golden face. The flowers attain a size of 12 inches across by 8 inches in depth, and are held well above the foliage by long, strong stems. Winner of five medals this year, including three American Home Achievement medals at the New York Shows. \$4 each, \$36 for 10.

MONMOUTH CHAMPION. F.D. Flame-scarlet flowers 12 inches and more across, full centered, and borne high above the foliage on stiff stems holding them forward. Strong grower and free flowering. 50 cts. each, \$4.50 for 10.

MRS. A. E. WHEELER. I.D. A fine clean-growing Dahlia of rich crimson-red, of large size, and free flowering on fine stems. 50 cts. each, \$4.50 for 10.

MRS. GEORGE LE BOUTELLIER. I.D. Rich velvety carmine blooms, giant in size and outstanding in every way. Healthy, vigorous grower and winner of many prizes. \$1 each, \$9 for 10.

MRS. I. DE VER WARNER. I.D. A refined, deep mauve-pink Dahlia of perfect form, impressive on account of its size and beautiful orchid color. It is an abundant bloomer, splendid for exhibition and fine for the garden. 25 cts. each, \$2.25 for 10.

MURPHY'S MASTERPIECE. I.D. This greatest of all dark red giant Dahlias has been winning for years as the largest flower. Strong grower and free flowering. \$2 each, \$18 for 10.

MYRA HOWARD. I.D. This fine Dahlia is a glowing cadmium-yellow and old-gold, with many 10-inch flowers. Achievement medal winner. 50 cts. each, \$4.50 for 10.

OAKLEIGH MONARCH. I.D. One of the best exhibition varieties. Clear brilliant cerise-red, unlike any other introduction of recent years, with excellent keeping qualities. Profuse bloomer. Long, straight, stiff stems. \$2.50 each, \$22.50 for 10.



Dahlia, Jersey's Beauty

PINK GLORY. F.D. *New.* Lovely glowing light rose-pink giant Dahlia of strong growth and great substance; very free flowering on the best of stems. 75 cts. each, \$6.75 for 10.

PURPLE GLORY. F.D. Clear bluish purple flower of great size and substance. Very popular. 50 cts. each, \$4.50 for 10.

RED KING. F.D. *New.* Vivid rich red Dahlia of fine habit, with long stems and flowers produced very freely; they are 6 to 8 inches across, of firm texture and with lasting qualities. Very fine for cutting. 50 cts. each, \$4.50 for 10.

ROSE FALLON. F.D. One of the largest of the new eastern introductions. A beautiful Decorative of pleasing shades of amber, russet, and salmon. The formation of the flower is perfect and the stems are excellent. Its foliage is very dark and fine. Good for cut-flowers. 25 cts. each, \$2.25 for 10.

ROSIE O'GRADY. I.D. Old-rose. See color illustration. \$1.50 each, \$13.50 for 10.

SAGAMORE. F.D. Fine cut-flower of a light apricot-buff, shaded orange-buff toward the center. It has fine strong stems with splendid keeping qualities. 25 cts. each, \$2.25 for 10.

SALMON SUPREME. F.D. As the introducers of this variety, we feel justified in predicting that it will become a very popular Dahlia. The form and color are really wonderful. Its very large, glistening salmon-orange flowers are held proudly erect on the strongest of stems. Free flowering and a vigorous grower. This fine new Dahlia should be in every garden. 75 cts. each, \$6.75 for 10.

SATAN. Semi-C. Large, uniformly shaped flowers of bright scarlet, with yellow appearing on the reverse of the center petals when the flowers are first opening. A tall-growing variety, with long stems suitable for cut-blooms. 75 cts. each, \$6.75 for 10.

SPOTLIGHT. I.D. Very large, full flowers of clear sulphur-yellow, 10 to 12 inches across. Blooms very freely on the best of stems. 75 cts. each, \$6.75 for 10.

SULTAN OF HILLCREST. F.D. One of the very largest grown. Color strontium yellow and gold. Very vigorous grower and free bloomer. \$1 each, \$9 for 10.

VIOLET WONDER. F.D. A very free-flowering Dahlia of giant size. Beautiful hyacinth-violet, lightening to bluish purple. The best of this color. 50 cts. each, \$4.50 for 10.

WATCHUNG GIANT. I.D. Here is a really true giant Dahlia without being coarse or clumsy. The color is a beautiful light definite yellow with a warm suffusion of rose. Fine stem and habit of growth. Sensational. \$7.50 each, \$67.50 for 10.

WHITE KING. F.D. *New.* A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden or exhibition. 40 cts. each, \$3.60 for 10.

WHITE WONDER. I.D. The giant blooms are pure white, with long, pointed, twisted, and curled petals, giving the flower a light, fluffy appearance. We consider this one of the finest new white Decorative Dahlias, if not the finest. 75 cts. each, \$6.75 for 10.



Basket of Pompon Dahlias (See next page)

EXHIBITION CACTUS DAHLIAS

We offer below a choice list of Cactus Dahlias which have proved to bloom well under varying conditions. They are all excellent cut-flower varieties, as well as splendid varieties for garden decoration. While numerous Dahlia enthusiasts are growing the Decorative type of Dahlias on account of their massiveness, the Cactus Dahlia is still preferred by many flower-lovers on account of its artistic appearance.



Cactus Dahlia, Paul Pfitzer

AMBASSADOR. C. An outstanding Dahlia at many of the Dahlia exhibitions, and considered by many as being one of the best and most artistic of recent Dahlia introductions. Its color is, perhaps, best described as a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening towards the tips. The flowers are of largest size and are set just right on perfect stems. A strong grower and free bloomer. 75 cts. each, \$6.75 for 10.

AMELIA EARHART. C. This great Dahlia becomes more popular each year, winning from coast to coast. Giant flowers of lovely apricot-buff. \$1.50 each, \$13.50 for 10.

AMERICAN TRIUMPH. I.C. Bright clear Oriental red, of large exhibition size. The best of its color. 50 cts. each, \$4.50 for 10.

CALIFORNIA BEAUTY. C. Pure copper-colored flower of fine form. Free flowering on fine stems. 30 cts. each, \$2.70 for 10.

COUNTESS OF LONSDALE. C. Old-rose-red, slightly shading salmon. Low-growing, free-flowering plant covered with finely formed, 4-inch blooms the entire season. This can be classed as a Miniature Cactus. Fine for border or bedding. Desirable for cutting. 30 cts. each, \$2.70 for 10.

ELKRIDGE. Semi-C. This large, pure white variety is of fine form and great substance. It flowers very freely on long, strong stems. Has won many prizes. 50 cts. each, \$4.50 for 10.

FRAU O. BRACHT. C. Popular prize-winning Cactus of clear light yellow and fine form. 75 cts. each, \$6.75 for 10.

GOLDEN STANDARD. C. Splendid 9-inch flower of distinct Cactus form. A great prize-winner. Strong, thrifty grower and free bloomer. The color is a pleasing golden fawn shade with a darker center. \$1.50 each, \$13.50 for 10.

PAUL PFITZER. C. A straight Cactus Dahlia with magnificent giant flowers which are borne most freely on strong, wiry stems. The color of the dainty, graceful petals is a lavender-rose with a lovely suffusion of lilac. Toward the base the petals are yellow. It is, without question, one of the finest introductions of recent years. \$1 each, \$9 for 10.

ROYCROFT. Semi-C. Large, finely formed Semi-Cactus of cinnamon-buff, deepening to russet. Very prolific bloomer. Fine stems. Vigorous grower. 35 cts. each, \$3.15 for 10.

STAR OF BETHLEHEM. C. A beautiful, star-like, finely formed flower of pure white; very large and deep. 75 cts. each, \$6.75 for 10.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers, which are invaluable for table decoration and boutonnieres.

Bronze Beauty. Golden apricot.
Edith Muller. Rosy orange and yellow.
Fashion. Orange.
Golden Beauty. Bright yellow.
Hazel Del. Rose-pink.
Indian Chief. Rich red tipped white.
Little Edith. Yellow and brown.
Mary Muns. Fuchsia or deep lavender.
Red Gem. Rich deep red.
Snowbird. Pure white.

Any of above, 30 cts. each, \$2.70 for 10

COLLECTION OFFER: One root each, 7 varieties, our selection (value \$2.10), for \$1.50

Books on the Dahlia

Dahlia, The. By L. K. Peacock. Most exhaustive book on the subject. Interesting and highly practical. Illustrated. \$1.25.

Dahlia Culture, Modern. By W. H. Waite. Brief, clear, complete, based on the actual operations and results of a practical, experienced grower, propagator and exhibitor. 132 pages. \$1.50.

MINIATURE AND SINGLE DAHLIAS

We offer below a list of the best varieties of these Dahlias. They are very popular for garden decoration or for cutting.

AMI BARILLET. Low-growing, bedding-type, Miniature Dahlia of deep clear red with yellow center. The purplish red, fern-shaped foliage is very attractive. 40 cts. each, \$3.60 for 10.

BABY ROYAL. Salmon-pink shaded apricot. Free bloomer. 50 cts. each, \$4.50 for 10.

BELLE OF MEXICO. This new variety is literally covered with lovely 2-inch flowers of fawn-buff with crimson eye. 50 cts. each, \$4.50 for 10.

BISHOP OF LLANDAFF. Bright scarlet; duplex form. Attractive, fern-like, reddish purple foliage. 50 cts. each, \$4.50 for 10.

LAVENDER GEM. Clear rosy lavender, 3-inch flowers. 35 cts. each, \$3.15 for 10.

NEWPORT PINK. A very attractive flower of soft Chatenay pink. Very decorative. 50 cts. each, \$4.50 for 10.

PRINCE OF BULGARIA. White, 2-inch flowers, heavily striped bright red. Low grower and prolific bloomer. Wonderful for bedding and border. \$1 each, \$9 for 10.

SCARLET GEM. Fine scarlet, 3-inch flowers. Very free blooming. 25 cts. each, \$2.25 for 10.

SNOWFLAKE. A large, pure white variety, with golden yellow center. Extremely dainty. Very free bloomer. 35 cts. each, \$3.15 for 10.

TANGO CENTURY. One of the loveliest bronzy yellow Singles. Good stems. Free bloomer. 25 cts. each, \$2.25 for 10.

COLLECTION: One each 10 named varieties (value \$4.60), for \$4



Single Dahlia, Scarlet Gem

GARDEN FULL OF DAHLIAS FOR \$2

Retail Value
\$4.95

10 Distinct Exhibition Dahlias Sold in a Collection

In the past we have offered 12 distinct unnamed Dahlias at a special price. We are pleased to announce that we have been able to improve this offering this year, due to a good crop, by making a special offer of 10 distinct named varieties for \$2, which if bought separately would cost \$4.95.

Crimson King. Brilliant crimson.
Francis Larocco. Pure yellow.
Jane Cowl. Bronze.

Jersey's Beauty. Pink.
Kentucky. Orange.
Kiss Me. Red and white.
Pink Glory. Rose-lavender.

Red King. Deep red.
Salmon Supreme. Salmon-pink.
White King. Pure white.

Gertrude
Louden

Three Fine Prize-Winning *Dahlias*



Rosie
O'Grady

Mabel
Hess



Gertrude Louden. Informal Decorative type. A very large, beautifully formed Dahlia of glistening salmon-pink and gold shades. Prize-winner in many parts of the United States during 1936. A healthy, vigorous grower, flowering very freely on excellent long stems. **\$1.50 each, \$13.50 for 10.**

Rosie O'Grady. Informal Decorative type. A lovely, large, new Dahlia of distinct old-rose. It is entirely different from any other variety, and we feel sure you will like it. Very free flowering, and the handsome blooms are on long stems. **\$1.50 each, \$13.50 for 10.**

Mabel Hess. Formal Decorative type. A gorgeous formal variety which has been winning prizes every year since 1933. Not the largest Dahlia, but will grow to 10½ inches. The coloring is exquisite—a lively deep crimson, shading to dark maroon. Excellent for cutting or exhibition. **\$1.50 each, \$13.50 for 10.**

Special Collection:

One root each of
these 3 Prize-Winners **\$3.75**

OTHER FINE DAHLIAS ON PAGES 72-74



R. M. S. QUEEN MARY—The Liner



R. M. S. QUEEN MARY—The Rose. *Plant Patent No. 249*
Dormant plants, \$2 each, \$20 per doz. In pots after May 15, same price

A Quartet of New Roses for Every Garden R. M. S. QUEEN MARY

SHOWN AT LEFT

Outdistancing the new varieties, graceful and beautiful beyond description is this queenly Rose. The plant is sturdy, the buds are long and pointed, opening into flowers that are large and perfect in shape. The color is brilliant and stimulating, being a vivid combination of glowing salmon and pink, with an orange base.

R. M. S. Queen Mary has won more awards and medals both here and in Europe, than we have space in which to record them. Like the ocean record-holder for which she has been named, she is rated A 1 on both sides of the Atlantic.



GLOWING CARMINE
Dormant plants, \$1.25 each, \$12.50 per doz.
In pots after May 15, \$1.50 each



CRIMSON GLORY. *Plant Patent No. 105*
Dormant plants, \$1.25 each, \$12.50 per doz.
In pots after May 15, \$1.50 each



MME. JOSEPH PERRAUD
Dormant plants, \$1.50 each, \$15 per doz.
In pots after May 15, \$1.75 each



**DICKSONS
CENTENNIAL**

Plant Patent
No. 223

Dormant plants
\$1.50 each, \$15 per doz.
In pots after May 15
\$1.75 each



©

ECLIPSE. Plant Patent No. 172
Dormant plants, **\$1.50 each, \$15 per doz.**
In pots after May 15, **\$1.75 each**



GLOWING SUNSET. Plant Patent No. 104
Dormant plants, **\$1.25 each, \$12.50 per doz.**
In pots after May 15, **\$1.50 each**



HINRICH GAEDE
Dormant plants, **\$1.25 each, \$12.50 per doz.**
In pots after May 15, **\$1.50 each**



CARRIE JACOBS BOND. Plant Patent No. 158
Dormant plants, **\$1.25 each, \$12.50 per doz.**
In pots after May 15, **\$1.50 each**

FIVE ROSES of proved
merit. Free flowering,
disease-free, hardy, and
deserving of a place in
every Rose-garden.

See page 79 for the *Guarantee* which
applies to every Rose supplied by us.

ROSES NEXT JUNE . . . and Thereafter Until Frost

We offer Five Modern Everblooming Roses, distinct in their colors and noted for their free-flowering qualities. Owing to our having had a large quantity specially grown, we are able to offer them at the low prices noted under each.

SPECIAL OFFER:

Collection A (Dormant Plants)

One each of the 5 splendid varieties pictured for

\$4

Free delivery within 50 miles of New York City.

Please Note. Dormant plants are available up to early May. Growing plants in 6-inch pots are available only after May 15. (Many already have flower-buds at that date.)

MME. JULES BOUCHE

Dormant plants up to
early May, **\$1** each
In pots after May 15, **\$1.25** each



*Collection Offer
is valid only
up to May 15*



PRESIDENT HERBERT HOOVER

Dormant plants up to early May, **\$1** each
In pots after May 15, **\$1.25** each

VILLE DE PARIS

Dormant plants up to early May, **\$1** each
In pots after May 15, **\$1.25** each



E. G. HILL

Dormant plants up to early May, **\$1** each
In pots after May 15, **\$1.25** each



MRS. SAM MCGREDY

Dormant plants up to early May, **\$1** each
In pots after May 15, **\$1.25** each

S. & W. CO.'S GUARANTEED ROSES

Our Roses are re-selected from selected No. 1 grade plants and are the best obtainable. Each will have three or more branches, according to the characteristics of the variety. They are dug in late autumn, the roots being wrapped in damp moss and burlap, and stored over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality when growing in your garden. Planted in spring, practically all types will bloom this year; the exceptions are a few Climbers, which may not flower until 1939.

WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

We supply Dormant Plants of all varieties up to May 15. We also offer the varieties marked with an asterisk (*) in full leaf, growing in 6-inch pots, from May 15 to June 30.

Fifteen Popular Everblooming Roses, Hybrid Tea-Scented (Will bloom this summer)

***Dame Edith Helen.** Flowers are produced singly on strong canes. The color is a brilliant, yet soft Rose du Barri-pink.

***Etoile de Hollande.** The flowers are sufficiently double to hold the bud shape well. A rich, lovely shade of glowing scarlet-crimson.

***Golden Dawn.** From Australia comes this lovely flower of pale golden yellow.

***Joanna Hill.** The buds are large, long-pointed, and open to large flowers of a clear yellow with orange-yellow heart.

***Kaiserin Auguste Viktoria.** A soft pearly white, faintly tinted lemon in the center. Very fragrant.

***Margaret McGredy.** Fine, cup-shaped, double flowers of brilliant brick-red with a fiery sheen.

***Miss Rowena Thom.** The deep center is vivid Oriental red, shading to rose.

***Mme. Edouard Herriot.** The buds are coral-red in color, shaded with yellow at the base; the open flowers are coral-red.

***Mrs. Aaron Ward.** Splendidly formed, full, double flowers of a distinct Indian yellow, shading lighter toward the edges.

***Mrs. Erskine Pembroke Thom.** Slender buds and large, well-shaped flowers of bright canary-yellow, deeper in the center. A free bloomer and a strong grower.

***Mrs. Henry Bowles.** Warm rosy pink blooms of unusual substance shaded with salmon-orange. It is a vigorous grower and should be in every collection.

***Radiance.** A brilliant carmine-pink, with salmon-pink and yellow shadings at the base of the petals.

***Red Radiance.** A counterpart of Radiance, except in color, which is a clear cerise-red.

***Souvenir de Claudius Pernet.** A hardy everblooming real yellow Rose free from disease and a very strong grower.

***Talisman.** Brilliant gold, cerise, scarlet, and pure yellow in indescribable richness and combinations.

HOW TO GROW ROSES

By Dr. McFarland and Robert Pyle

Describes modern methods of culture, with sketches, half-tone engravings and many color plates. Post-free \$1.

A copy sent FREE with every order for 1 dozen or more of Roses.

Any of the above varieties, extra-strong dormant plants,

90 cts. each, \$2.50 for 3, \$9 per doz.

*These sorts also offered, growing in 6-inch pots, for delivery after May 15, \$1.25 each

MINERAL COLLOIDS

Valuable soil-conditioner for Roses. Adds all plant-foods, including lesser-known elements in colloid form. Dig or hoe under at 100 lbs. per 1000 sq. feet. Recommended also for 'puddling' before planting; stir the roots in Mineral Colloid mud. 100 lbs. \$3.

Thirty-five Outstanding Everblooming Roses (Will bloom this summer)

Alice Harding. Plant Patent No. 202. Perfect blooms of pure gold, flaked with carmine, borne in great profusion. Gold Medal, American Rose Society, 1936. Dormant plants, \$2 each, \$20 per doz.

Autumn. Burnt-orange streaked and marked with red. Dormant plants, \$1 each, \$10 per doz.

Betty Uprichard. Flowers large, semi-double, light salmon-pink, shaded copper. Dormant plants, \$1 each, \$10 per doz.

Briarcliff. An improved Rose of the Columbia type, producing large, pointed, fragrant blooms of a brilliant rose-pink. Dormant plants, \$1 each, \$10 per doz.

***Carrie Jacobs Bond.** Plant Patent No. 158. Named after the author of "End of a Perfect Day." The color is an enchanting rich deep rose. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.50 each.

***Cecil.** A perfect, pure yellow, single variety. Flowers are broad and of rich yellow. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Comtesse Vandal. Plant Patent No. 38. Long-pointed buds of a coppery bronze, suffused with soft gold. Dormant plants, \$1 each, \$10 per doz.

***Crimson Glory.** Plant Patent No. 105. A glorious Rose of an intense deep and vivid crimson with velvety nap. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.50 each.

***Dainty Bess.** A single Rose of perfect form; delicate pink with crimson stamens. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

***Dicksons Centennial.** Plant Patent No. 223. A new Rose with blooms of deep crimson-red, black shadings; fragrant. Strong grower. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each.

***Eclipse.** Plant Patent No. 172. The supreme yellow Rose of wonderful constitution. Awarded the Bagatelle and Rome medal. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each.

***E. G. Hill.** The long buds are a dazzling scarlet, shading to a deeper pure red. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Feu Pernet-Ducher. Plant Patent No. 103. Large, very double, intensely fragrant yellow flower with edges lemon, slightly flushed faint pink. Dormant plants, \$1 each, \$10 per doz.

Gloaming. Plant Patent No. 137. Beautiful salmon, overcast with tawny orange and gold at base. Robust grower. Dormant plants, \$1.50 each, \$15 per doz.

***Glowing Carmine.** Strong grower with well-shaped buds of glowing carmine. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.50 each.

***Glowing Sunset.** Plant Patent No. 104. The color is orange, yellow, and rose-pink, blending into a vivid light apricot. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.50 each.

Heinrich Wendland. Very large, double, fragrant, pointed buds of nasturtium-red with reverse of petals deep yellow. Dormant plants, \$1 each, \$10 per doz.

***Hinrich Gaede.** Large, double blooms of a rich luminous vermillion, shaded golden yellow. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.50 each.

***Innocence.** Large, single, pure white; centers of red stamens. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

***Irish Fireflame.** Beautiful, single, deep orange, splashed with crimson. Excellent for cutting five or more buds to branch. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

***K. of K.** (Kitchener of Khartoum). Brilliant, single scarlet blooms. Very free flowering. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Lady Margaret Stewart. A Rose of unique and distinct color—deep sunflower-yellow, heavily veined and deeply suffused with carmine. We cannot recommend this beautiful variety too highly. Dormant plants, \$1 each, \$10 per doz.



Betty Uprichard

Resplendent Rose! The Flower of Flowers

Everblooming Roses, continued

McGredy's Triumph. Plant Patent No. 190. Large, full, perfectly shaped flowers of a deep geranium-red, flushed orange. Dormant plants, \$1.50 each, \$15 per doz.

***Mme. Joseph Perraud.** Nasturtium-buff straying to a luminous shell-pink at the petal edges. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each.

***Mme. Jules Bouche.** A splendid white. Long-pointed, shapely buds. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Mrs. Charles Bell. A sport of Radiance. Beautiful shell-pink, shaded soft salmon. Dormant plants, \$1 each, \$10 per doz.

Mrs. Pierre S. du Pont. Vigorous; free blooming; long-budded; deep golden yellow. Dormant plants, \$1 each, \$10 per doz.

***Mrs. Sam McGredy.** Perfumed blooms of coppery scarlet-orange, flushed with red on outside of petals. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Pink Dawn. An exceptional Rose, producing many fully double, fragrant blooms of glistening pink. Dormant plants, \$1.25 each, \$12.50 per doz.

***President Herbert Hoover.** In color they are a very lovely combination of cerise-pink, flame, scarlet, and yellow, with deeper cerise tints. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

***R. M. S. Queen Mary.** Plant Patent No. 249. Winner of many awards. A combination of glowing salmon and pink with orange base. Dormant plants, \$2 each, \$20 per doz.; in pots at same price.

Signora. Plant Patent No. 201. An exceptional Italian introduction. Long buds of burnt sienna, opening toward mandarin. Dormant plants, \$1.50 each, \$15 per doz.

Souv. de Jean Soupert. Long, tapering, deep yellow buds, opening to cream, very fragrant blooms. Dormant plants, \$1 each, \$10 per doz.

Texas Centennial. Plant Patent No. 162. A sport of President Herbert Hoover. Color is blood-red, toning to cerise-red in center. Dormant plants, \$1 each, \$10 per doz.

***Ville de Paris.** Rich buttercup-yellow which does not fade. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Hardy Hybrid Perpetuals

The June-Blooming Roses (Bloom This Summer)

Frau Karl Druschki. Pure white in color.

Georg Arends. Light pink.

Henry Nevard. Crimson-scarlet.

Mme. Albert Barbier. Large; creamy pink.

Ulrich Brunner. Geranium-red.

Any of above, field-grown plants, 85 cts. each, \$8.50 per doz., \$65 per 100

Symphony (Pink Frau Karl Druschki). Plant Patent No. 79. An everblooming Perpetual Rose of blush-pink with deep rose center. Dormant plants, \$1.25 each, \$12.50 per doz.

Miscellaneous Roses

Will Bloom This Summer

Skyrocket (The Everblooming Shrub Rose). Enormous clusters of medium-sized brilliant red blooms all season. Dormant plants, \$1 each, \$10 per doz.

Rosa Lawranceana, Tom Thumb. Plant Patent No. 169. Deep crimson bud the size of a wheat-grain, and slightly lighter blooms that can open in a thimble. Fine for the rock-garden. 75 cts. each, \$7.50 per doz.

Climbing Roses

These require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July, directly after they have finished flowering, is beneficial.

***Apricot Glow.** Plant Patent No. 200. Magnificent sort; flowers of light apricot, shading yellow. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.

***Climbing American Beauty.** A pleasing rose-pink. Dormant plants, 90 cts. each, \$9 per doz.; in pots, same price.

Dorothy Perkins. Soft shell-pink, flowering profusely. Dormant plants, 90 cts. each, \$9 per doz.

Dr. Huey. Maroon-red flowers in large clusters. The darkest climber. Dormant plants, 90 cts. each, \$9 per doz.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. Dormant plants, 90 cts. each, \$9 per doz.

Easlea's Golden Rambler. Plant Patent No. 114. Clusters of large, chrome-yellow and maddery orange blooms. Dormant plants, \$1 each, \$10 per doz.

Elegance. Plant Patent pending. Vigorous; large-flowered yellow. Dormant plants, \$1.50 each, \$15 per doz.

***Golden Glow.** Plant Patent No. 263. A vigorous companion to Apricot Glow, but pure bright yellow blooms. Profuse bloomer. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each.

Jacotte. Color shrimp-pink, shaded golden yellow at base. Dormant plants, 90 cts. each, \$9 per doz.

***Mary Wallace.** Large, rose-pink flowers. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.10 each.

Mme. Gregoire Staechelin. The buds are crimson, then show splashes of carmine as the flower opens. Dormant plants, 90 cts. each, \$9 per doz.

***New Dawn (The Everblooming Dr. W. Van Fleet).** Plant Patent No. 1. Really the most satisfactory Everblooming Climber introduced and a variety that every Rose-lover will be anxious to possess. Flesh-pink in color. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each.

***Paul's Scarlet Climber.** A vivid scarlet which does not bleach or fade. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.10 each.

***Primrose.** A real hardy yellow Rambler. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.10 each.

***Silver Moon.** Pure white in color. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.10 each.

*These sorts also offered, growing in 6-inch pots, for delivery after May 15 at prices noted

Climbing Everblooming Roses

(HYBRID TEAS)

These plants produce beautiful Hybrid Tea flowers throughout the season. While not hardy in this latitude, requiring protection in winter, they are really worth while in your garden.

Climbing Etoile de Hollande. Red.

Climbing K. A. Viktoria. White.

Climbing Lady Ashtown. Rose-pink.

Climbing Mrs. Aaron Ward. Indian yellow.

Climbing Red Radiance. Cerise-red.

Any of above, dormant plants, \$1.25 each, \$12.50 per doz.

Baby Ramblers or Polyanthas

Will Bloom This Summer

This type of Rose forms shapely, compact, bushy specimens, most of the varieties growing about 1½ feet high.

Cecile Brunner (Sweetheart Rose). Dainty flowers of soft rosy pink.

Dagmar Spath (White Lafayette). Pure white flowers. Free blooming. Dormant plants, \$1 each, \$10 per doz.

Gloria Mundi. The new orange-scarlet.

Ideal. Beautiful dark red.

Mrs. R. M. Finch. Double; soft rosy pink.

Orange Triumph. Scarlet-orange flowers in enormous clusters. Dormant plants, \$1 each, \$10 per doz.

Any of above, except where noted, 90 cts. each, \$9 per doz., \$70 per 100

Perpetual-flowering Bedding Roses

Will Bloom This Summer

Gruss an Aachen. Large; salmon-pink.

Pink Gruss an Aachen. A deeper pink form of the above.

Pink Charm. Very deep lustrous pink.

Any of above, dormant plants, \$1 each, \$10 per doz.

Tree Roses

Will Bloom This Summer

Tree Roses have a value in every Rose-garden and create a desirable effect. We offer the following varieties on strong, straight, 3½-foot stems. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging up.

Pot-plants only, ready early in May

Etoile de Hollande. Red.

Mme. Jules Bouche. White.

Mrs. E. P. Thom. Yellow.

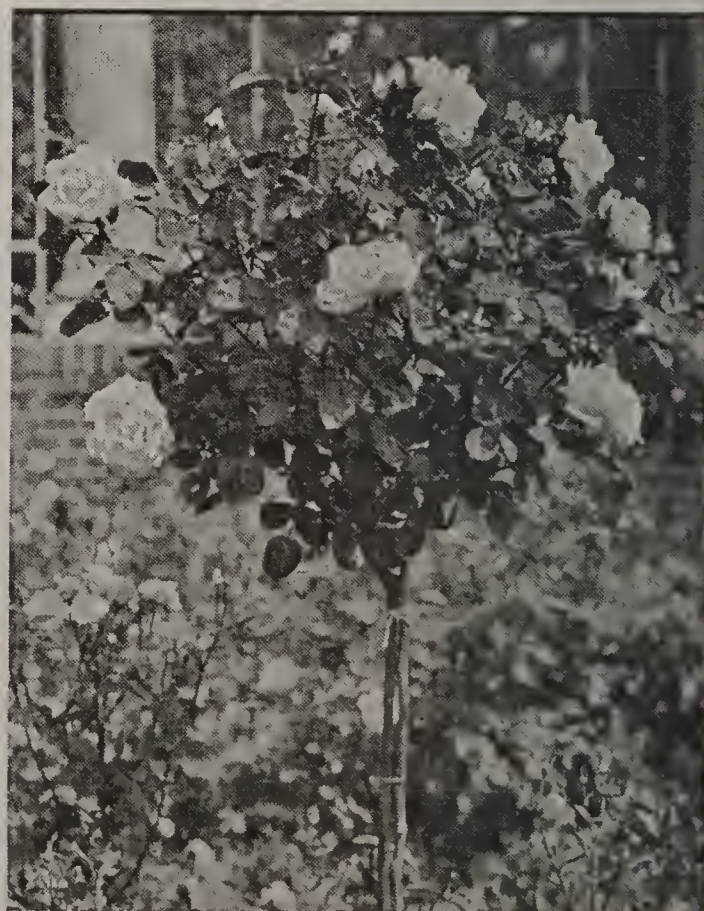
Mrs. Sam McGredy. Coppery orange.

Pink Radiance. Pink.

President Herbert Hoover. Suffused yellow and pink.

Red Radiance. Red.

Any of above varieties, \$4 each



Tree Rose

Hardy Flowering Shrubs

Shrubs are of great importance for the ornamentation of home-grounds. They have many uses; some are valuable as cut-flowers, while others are as decorative as any ornamental foliage plant. They may be used as a background for the flower border, and for hiding an unsightly building, fence or foundation. Soil where they are to be planted should be well spaded and enriched with bonemeal. Unless a very immediate effect is required, sufficient space should be allowed between them to permit of full development—3 feet for dwarf varieties and 5 feet for the taller ones.

Prices on all Shrubs, unless otherwise noted, 85 cts. each, \$8.50 per doz.

Purchaser pays transportation beyond 50 miles of New York. Add 10 per cent for postage to your remittance if you wish delivery by mail

Abelia grandiflora

The habit and foliage are distinctly ornamental, and it blooms almost continuously from early summer until frost. The flowers are white, tinted lilac. Mature height 3 to 4 feet. 2 to 3-foot plants, \$1 each, \$10 per doz., \$75 per 100.

Almond, Flowering

Amygdalus

The flowers are borne on its slender branches during May, and are very fragrant. 5 to 6 feet high.

Pink. Double-flowering; pink.

White. Double-flowering; white.

\$1 each, \$10 per doz.

Althea (*Rose of Sharon*)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late blooming, which is from August to October. We offer in four colors. 10 to 12 feet high when mature. **Red, Pink, White,** and **Purple.** 3 to 4-foot plants.

New Red Barberry

The finest shrub novelty of recent years. Identical with the Green-leaved Barberry, except that the foliage is a rich, lustrous bronze-red which becomes more vivid as the season advances. 1½ to 2-foot, 2-year-old plants.

Buddleia

Veitchiana (Butterfly Shrub; Summer Lilac).

The flowers are of a pleasing shade of violet-mauve, and are borne in dense, cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter. The plant dies down in winter, coming up the following spring. 5 to 6 feet high when mature. 3 to 4-foot plants.

Charming (Pink Butterfly Bush). An outstanding novelty. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. We offer sturdy plants in 3-inch pots, ready May 1; will bloom first year. \$1 each, \$10 per doz.

Dogwood (*Cornus*)

Florida. Handsome, small trees covered with large, four-petaled white flowers in spring; beautiful, glossy foliage. Grows 15 to 20 feet. \$1.50 each, \$15 per doz.

Florida rubra. Like the preceding, except that the flowers are bright pink. 15 to 20 feet high when mature. 3 to 4 feet, \$4 each, \$40 per doz.

Sibirica (Siberian Dogwood). This type of Dogwood differs from the above in that it is shrubby in growth. It produces small white flowers on crimson-colored branches. 8 to 10 feet high when mature. 3 to 4-foot plants.

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 4 to 5-foot plants.

Forsythia

A very decorative shrub with bright golden yellow, star-shaped flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.

Suspensa (Weeping Golden Bells). A tall shrub of willowy growth, the branches gracefully arching. 4 to 6 feet high when mature. 3 to 4-foot plants.

Viridissima (Golden Bells). Similar to the above but of more erect habit. 7 to 8 feet high when mature. 3 to 4-foot plants.

Hydrangea

We offer two varieties of this, perhaps the most popular of flowering shrubs.

Arborescens grandiflora (Snowball Hydrangea). This magnificent, perfectly hardy American shrub has snow-white blossoms of largest size. 4 to 5 feet high when mature. 2 to 3-foot plants.

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants.

Kerria (*Corchorus*)

Japonica flore-pleno. Attractive golden yellow flowers are borne continuously from June to October. 4 to 5 feet high when mature. 2 to 3-foot plants, \$1 each, \$10 per doz.

Kolkwitzia amabilis

Beauty Bush

Mature plants of this introduction appear like a cloud of beautiful pink when in flower. Attains a height of 4 to 6 feet. 2 to 3-foot plants, \$1 each, \$10 per doz.

Malus (*Flowering Crab*)

Bechtel's Double-flowering. The Flowering Crab is valued not only for its beautiful blossoms but for the handsome fruits, which in the fall are attractive to us. In the spring a well-grown plant is a mass of bloom. 3 to 4-foot plants, \$1 each, \$10 per doz.

Philadelphus (*Mock Orange*)

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Coronarius. This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants.

Prunus

Pissardi (Purple-leaved Plum). A dwarf shrub covered with single white flowers in spring. When they first appear the leaves are crimson, changing to rich purple. 12 to 15 feet high when mature.

Triloba (Double-flowering Plum). An interesting shrub, bearing in early spring semi-double, delicate pink flowers. 7 to 8 feet high when mature.

\$1 each, \$10 per doz.

Shrub Rose

Skyrocket (Everblooming Shrub Rose). Produces enormous flower clusters throughout season. Medium-sized brilliant red blooms. Dormant plants, \$1 each, \$10 per doz.

Pyrus (*Cydonia*) japonica

Flowering Quince

A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms the entire summer and fall. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. Of compact habit and, when in flower, the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

Symphoricarpos

Racemosus. A dwarf shrub with pink flowers and white berries. 5 to 6 feet high when mature. 3 to 4-foot plants.

Vulgaris. Similar to the above, but with bright red fruit. 4 to 5 feet high when mature. 3 to 4-foot plants.

Syringa or Lilac

We offer two very satisfactory varieties.

Common Purple (*Syringa vulgaris*).

Common White (*S. vulgaris alba*).

2 to 3-foot plants

Viburnum

Plicatum (Japan Snowball). The perfect balls of pure white flowers are borne in great profusion in May. 7 to 8 feet high. 2 to 3-foot plants.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-foot plants.

Rosea. Soft rosy carmine. 8 feet high when mature. 3 to 4-foot plants.

Plant the Fragrant Virgin's Bower and the Wondrous Passion Flower

HARDY CLIMBING PLANTS

Ampelopsis

Boston Ivy; Japan Ivy

Veitchi. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 50 cts. each, \$5 per doz., \$40 per 100.

Quinquifolia (Virginia Creeper; American Ivy). The large, deep green foliage assumes brilliant shades of yellow and scarlet in the fall. 50 cts. each, \$5 per doz.

Engelmanni (Engelmann Creeper). Similar to Quinquifolia but smaller leaves. 50 cts. each, \$5 per doz.

Aristolochia Sipho

Dutchman's Pipe Vine

A vigorous and rapid-growing climber, bearing brownish-colored flowers which resemble a pipe in shape. \$2 each, \$20 per doz.

Bignonia radicans

Scarlet Trumpet Vine

For covering unsightly places, stumps, rockwork or planting in crevices in ledges. The flowers are large and borne profusely when the plant attains a fair size. 75 cts. each, \$7.50 per doz.

Large-flowering Clematis

The soil for Clematis should be well drained and of a light, loamy texture. It should be of good depth, as the plant dislikes limited root-space. It is greatly helped by occasional dressings of lime.

Belle of Woking. Pale bluish mauve. \$1.50 each, \$15 per doz.

Comtesse de Bouchard. Large, pale lilac-rose flowers. \$1.50 each, \$15 per doz.

Crimson King. Large; vinous red. \$3 each, \$30 per doz.

Duchess of Albany. Sprays of pink, trumpet-like flowers. \$1.50 each, \$15 per doz.

Duchess of Edinburgh. Large, double white flowers. \$1 each, \$10 per doz.

Elsa Spath. Bright blue, with dark center. \$1.50 each, \$15 per doz.

Henryi. Pure white; large and remarkably handsome. \$1 each, \$10 per doz.

Jackmani. A perfect mass of bloom. Dark, rich purple. \$1 each, \$10 per doz.

Jackmani rubra. Large bright red blooms. \$3 each, \$30 per doz.

Jackmani superba. Dark violet-purple, but larger flowered than Jackmani. \$3 each, \$30 per doz.

Lawsoniana. Large; rosy purple. \$1.50 each, \$15 per doz.

Lord Neville. Large; purplish plum. \$1.50 each, \$15 per doz.

Mme. Baron Veillard. Striking pale lilac-rose blooms. \$1 each, \$10 per doz.

Mme. Edouard Andre. Unusual reddish purple flowers. \$1 each, \$10 per doz.

Ville de Paris. Soft blue with red on each petal. \$1 each, \$10 per doz.

Ville de Lyon. Bright red, well-formed flowers. \$1 each, \$10 per doz.

Small-flowering Clematis

Crispa. Small, bell-shaped, purple flowers. Most unusual. 75 cts. each, \$7.50 per doz.

Paniculata (Japanese Virgin's Bower). The flowers appear in profusion during August, and continue until late in the fall, are white in color and deliciously fragrant. 50 cts. each, \$5 per doz.

Tangutica obtusiuscula. Golden yellow bells on stately stems. \$1 each, \$10 per doz.

Texensis (*C. coccinea*). Urn-shaped, vivid scarlet blooms. 75 cts. each, \$7.50 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$10 per doz.

Euonymus

Radicans. Deep evergreen foliage. It is hardy and useful for covering low foundation walls. \$1 each, \$10 per doz.

Radicans vegetus (Evergreen Bittersweet). Produces bright orange-red berries which remain on the plant the greater part of the winter. \$1 each, \$10 per doz.

Honeysuckle

Halliana (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort. White flowers changing to yellow; very fragrant. 50 cts. each, \$5 per doz.

Scarlet Trumpet. This is the handsomest variety in cultivation. It produces inodorous flowers. 50 cts. each, \$5 per doz.

Passiflora caerulea

Passion Flower

A curiously beautiful flower with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. Vigorous vine which will need protection at the root in northern climates. Pot-plants, delivery May 1, \$1 each, \$10 per doz.

Polygonum Auberti

Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing through the summer and fall great foamy sprays of white flowers. \$1 each, \$10 per doz.

Wisteria

The ideal conditions for Wisterias are a well-drained loam, sunshine and plenty of moisture, but, given all these, the plants often refuse to flower. Wisterias are quite difficult to transplant. These are all strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years.

Sinensis (Chinese Wisteria). A most beautiful climber. When established it grows 15 to 20 feet in a season. Flowers pale blue. \$1 each, \$10 per doz.

Sinensis, White. A white-flowering form. Strong plants, \$1 each, \$10 per doz.

HEDGE PLANTS

Berberis Thunbergi (Japan Barberry). It requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Extra-strong, 1½ to 2 ft., 4 to 6 branches, packed in bundles of 10 or 25 at \$4 for 10, \$7.50 for 25, \$25 per 100.

California Privet (*Ligustrum ovalifolium*). This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Extra-strong, 3-foot plants, \$2.50 for 25, \$7 per 100, \$55 per 1000.

AZALEAS

Amœna. A compact plant. Foliage turns a bronzy tone in winter. Flowers are rosy purple. 18 to 24 in., \$2 each; 24 to 30 in., \$3 each.

Amœna coccinea. A new evergreen Azalea, with bright crimson or cherry-red flowers. 10 to 12 in., \$2 each; 18 to 24 in., \$3.50 ea.

Hinodegiri. Brilliant crimson-scarlet, a clear, handsome shade that everybody likes. 10 to 12 in., \$1.25 each, \$12.50 per doz.; 12 to 15 in., \$2 each, \$20 per doz.

Kaempferi. An extremely popular class of Japanese Azaleas. We have them in three colors: Brick-Red, Pink, and Purple. 18 to 24 in., \$3 each.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 18 to 24 in., \$2.50 each; 30 to 36 in., \$5 each.

RHODODENDRONS

The Aristocrats of the Plant Kingdom

Grafted Named Varieties

Well-budded Plants—Beautifully Shaped

Amphion. Beautiful clear pink, white eye.

Caractacus. Rich crimson flowers. Good foliage.

Catawbiense album. This is the well-known, fast-growing white Rhododendron.

Dr. Dresselhuys. Aniline-red; large petals and trusses. Unusual. One of the best.

Kettledrum. Bright crimson. Tall grower.

Mrs. C. S. Sargent. Fine dark pink or rosy red. Exceptionally fine foliage.

Roseum elegans. Clear rose-pink. An excellent Rhododendron in every respect.

15 to 18 in., \$3 each; 18 to 24 in., \$4; 24 to 30 in., \$5; 10 times the each price for a dozen plants

Select Hybrid Rhododendron Seedlings. Mixed Brilliant Colors

These are strong, well-rooted seedlings from seed collected from the finest English named varieties, including a wide range of desirable colors, mostly in the darker shades.

10 to 12-in. plants, very bushy. 75 cts. each, \$7 for 10, \$60 per 100.

12 to 15-in. plants, very bushy. \$1 each, \$9 for 10, \$80 per 100.

15 to 18-in. plants, very bushy, well budded. \$2 each, \$18 for 10, \$160 per 100.

18 to 24-in. plants, very bushy, well budded. \$3 each, \$27 for 10, \$250 per 100.

HARDY PERENNIAL PLANTS



Our list of plants comprises many new introductions, all of which have been submitted to a rigid test on our Nursery grounds located at Farmingdale, L. I., N. Y.

- ACHILLEA chrysocoma.** ★ Fern-like foliage and golden flowers. 1 ft. July.
- Clavennæ.** ★ Tufted, white-flowered alpine. 6 in. Summer. \$1.20 for 3, \$4.50 per doz.
- Millefolium roseum.** Finely cut foliage. Pink flowers. 1½ ft. Aug.
- Ptarmica, Perry's White.** An improvement on The Pearl. \$1 for 3, \$3.75 per doz.
- ACONITUM Fischeri.** Dark blue with a lilac cast. 3 ft. Sept. \$1 for 3, \$3.75 per doz.
- Napellus.** Rich dark blue. 4 ft. Aug. \$1 for 3, \$3.75 per doz.
- Sparks' Variety.** Rich deep blue. 5 ft. Aug. \$1.20 for 3, \$4.50 per doz.
- Wilsoni.** The true variety. Late, with massive spikes of mauve flowers. 6 ft. Sept. 60 cts. each, \$6.50 per doz.
- AJUGA metallica.** ★ Bronze foliage. Blue flowers. An ideal ground-cover. 6 in. June.
- Metallica crispa.** ★ Compact; green, crinkly leaves shaded with a metallic hue. 4 in. June. \$1.50 for 3, \$5.50 per doz.
- Reptans alba.** ★ A white-flowered Ajuga. 6 in. June.
- Reptans rosea.** Clear rose-pink.
- ALYSSUM saxatile.** ★ The well-known "Basket of Gold." 1 ft. May.
- Saxatile citrinum.** ★ Produces masses of pale yellow flowers. 9 in. June. \$1 for 3, \$3.75 per doz.
- Saxatile fl.-pl.** ★ Double-flowering form of Saxatile. Rich golden yellow. Compact. 9 in. May. \$1.20 for 3, \$4.50 per doz.
- Saxatile, Silver Queen.** ★ Lemon-yellow flowers. 9 in. May. \$1 for 3, \$3.75 per doz.
- ANCHUSA italica, Dropmore.** Produces a fine effect in the border with its spikes of bright blue flowers. 4 ft. July.
- Myosotidiflora.** ★ A dainty plant producing a mass of forget-me-not-like flowers of a beautiful shade of blue. 1½ ft. June. \$1 for 3, \$3.75 per doz.

Anemone

Geant des Blanches. Large, white flowers. 3 ft. Aug.

Anemone, continued

- Hupehensis.** Early flowering. Rosy mauve. 15 in. Aug.
- Queen Charlotte.** Silvery salmon-rose. 3 ft. Sept.
- Rosea superba.** Large, deep rose flowers. 3 ft. Sept.
- September Charm.** Very free flowering. 2 ft. Sept.
- September Sprite.** ★ Single, soft pink and mauve flowers. 1½ ft. Aug.
- Rubra.** Dark red. 2 ft. Sept.
- Pulsatilla.** ★ Violet-purple flowers. 9 in. May.
- Pulsatilla rubra.** ★ Reddish purple. 9 in. May.
- Sylvestris.** ★ Snowdrop Anemone. White. 1 ft. May.
- All Anemones, \$1 for 3, \$3.75 per doz.
- ANTHEMIS Kelwayi.** Pretty lemon-yellow variety. 2 ft. June.



Aquilegia, Long-spurred Hybrids

- ARABIS albida fl.-pl.** ★ Rock-Cress. Pure white, double flowers. 9 in. May.
- Rosabella.** ★ Compact plant covered with delicate rose-pink flowers. 6 in. May.
- Snowcap.** ★ Ball-like plant covered with snow-white blossoms. 9 in. May, June. \$1.20 for 3, \$4.50 per doz.

Aquilegia

Alpina. ★ A short-spurred Columbine with bright blue flowers. \$1 for 3, \$3.75 per doz.

AQUILEGIA clematiflora. This Columbine is absolutely distinct in petal formation, the blooms resembling clematis flowers. Medium height; free flowering. Delicate pastel shades of pink and blue. \$1.20 for 3, \$4.50 per doz.

Long-spurred Varieties—

- Blue Shades.** 2½ ft. June.
- Rose and Pink Shades.** 2½ ft. June.
- Scarlet Shades.** 2½ ft. June.
- Yellow Shades.** 2½ ft. June.
- S. & W. Co.'s Hybrids.** 2½ ft. June.

AQUILEGIA longissima. Bright yellow with exceptionally long spurs. 2½ ft. June. \$1.50 for 3, \$5.50 per doz.

ARENARIA Montana. ★ Large flowers of the Grandiflora type. 9 in. May–Sept.

Verna cæspitosa. ★ Bright green mats with dainty white flowers. 4 in. May. \$1 for 3, \$3.75 per doz.

Verna cæspitosa aurea. ★ Yellow form. 4 in. June. \$1.50 for 3, \$5.50 per doz.

ARMERIA (Thrift), Bees' Ruby. ★ Grassy tufts; pink flowers. 1½ ft. May–Sept. \$1.20 for 3, \$4.50 per doz.

Cæspitosa. ★ Tight, dense clumps of foliage studded with heads of pale pink, stemless flowers. A perfect gem. 3 in. May–July. \$1 for 3, \$3.75 per doz.

ARMERIA formosa Hybrids. ★ Various shades of rose. The flowers, which are produced very freely, are on long stems. 1½ ft. June, July. \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★ Dwarf plants for the Rock-garden and edging the Perennial Border

A Well-Planned Perennial Border Furnishes Cut-Bloom from May to October

ARTEMISIA abrotanum. *Southernwood.* A glabrous green subshrub with pinately divided leaves. Aromatic. 4 ft. Small plants in 3-in. pots.

Absinthium. Silvery leaves; yellow flowers. 3 ft. Small plants in 3-in. pots.

Argentea. Like the popular variety, Silver King, with heavier foliage. 3 ft.

Frigida. ★ Masses of gray, trailing foliage. Valuable ground-cover. 6 in.

Lactiflora. Sweet-scented, cream-white flowers, excellent for cutting. 4 ft. Aug.

Silver King. White, finely cut leaves that are decorative when dried. 3 ft.

Stelleriana. Vigorous grower with silvery white foliage. 2 ft.

ASTER novæ-angliæ.

Barr's Pink. Large, bright pink flowers. 5 ft. Sept.

Mrs. J. F. Raynor. A strong grower with crimson-red flowers. 5 ft. Sept.

Mrs. S. T. Wright. Rich rosy purple. 5 ft. Sept.

Red Rover. Glowing rose-crimson—the deepest red in this section. 3 ft. Oct.

Above varieties, \$1 for 3, \$3.75 per doz.

ASTER novæ-belgi.

Alderman Vokes. Rose-pink with bluish tint. 3 ft.

Anita Ballard. Soft cornflower-blue flowers. Compact habit. 3 ft.

Blue Eyes. Lavender-blue. 3 ft. Sept.

Blue Gem. Semi-double; clear blue. 4 ft. Sept.

Chas. Wilson. Fine new bright red variety. 3 ft.

Climax, White. Large; white. 5 ft. Sept.

Glory of Colwall. Double lavender flowers. 4 ft. Sept.

Little Boy Blue. Bright blue, semi-double flowers. 1½ ft. Sept. \$1.50 for 3, \$5.50 per doz.

Little Pink Lady. Large, semi-double, rich pink flowers. Both of the above varieties have received an Award of Merit, R. H. S. 1½ ft. Sept. \$1.50 for 3, \$5.50 per doz.

Mount Everest. The best white Aster for cutting or the border. 4 ft. Sept.

Queen Mary. Rich blue flowers in pyramidal trusses. 4 ft. Sept.

Royal Blue. Covered with masses of deep lavender-blue flowers. 3½ ft. Sept.

Royal Pink. Covered with masses of bright pink. 3½ ft. Sept.

Skylands Queen. Large flowers of an attractive light blue. 3 ft. Sept.

Ypres. Compact plant with rosy red flowers. 3½ ft. Sept.

Above varieties, except where noted, \$1 for 3, \$3.75 per doz.

ASTER, New Dwarf Hybrids. New race of Dwarf Asters; has been well received by the gardening public. Most valuable in supplying color in the border and rock-garden. 10 in. Aug., Sept.

Countess Dudley. ★ Clear pink.

Lilac-Time. ★ Pale mauve.

Nancy. ★ Bright rose-pink.

Ronald. ★ Lilac-pink.

Snowsprite. ★ White.

Victor. ★ Lavender-blue.

ASTER (Various species).

Alpinus, Goliath. ★ Large purplish flowers. 1 ft. June. \$1.20 for 3, \$4.50 per doz.

Amellus, King George. Very large; rich blue. 2 ft. July.

Frikarti. A very free-flowering hybrid of *A. Amellus*, producing charming blue flowers of elegant branching habit. 2 ft. Aug. \$1.50 for 3, \$5.50 per doz.



Aster, Queen Mary

Aster (Various species), continued

Hybridus luteus. Quite distinct. Covered with light yellow flowers on graceful stems. 3 ft. Sept.

Mauve Cushion. ★ Distinct in habit, forming a cushion-like plant. Flowers are delicate mauve. 9 in.

ASTILBE, Amethyst. Spikes of deep violet-purple blooms. 2 ft.

Bergristol. Dwarf variety with large plumes of pure white. 1 ft. June, July.

Gladstone. White flowers on beautiful spikes. 1½ ft.

Gloria Superba. Dwarf, deep pink variety. 2 ft.

Rhineland. Plumes of delicate pink. 2 ft.

Above five Astilbes, \$1.50 for 3, \$5.50 per doz.

Salland. Tall reddish plume. 4 ft. 75 cts. each, \$8 per doz.

AUBRIETIA. ★ *Rock-Cress.* For the rock-garden. They form carpets of blue, violet, and mauve in April and May. 6 in.

Dr. Mules. ★ Violet-purple.

Græca. ★ Dark violet.

J. S. Baker. ★ Violet-blue, white eye.

Monarch, Mixed. ★ Fine assortment of blue, mauve and lavender shades. Flowers are exceptionally large.

Above Aubrietias, \$1 for 3, \$3.75 per doz.

AURICULA. See *Primula Auricula.*

BAPTISIA australis. Dark blue flowers in long racemes. 3 ft. June.

BOLTONIA asteroides. Single, white aster-like flowers. 5 ft. Aug.

Latisquama. Lilac-pink. 5 ft. Aug.

BRUCKENTHALIA spiculifolia. ★ Dwarf, evergreen, heath-like shrub with pink flowers. 9 in. July. Plants in 3-in. pots, 50 cts. each, \$5.50 per doz.; 6-in. field-grown, 75 cts. each, \$8 per doz.

Buddleia, Pink Charming

New Butterfly Bush

An outstanding novelty. Large lavender-pink flower-trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. Sturdy plants in 3-in. pots ready May 1; will bloom same year. \$1 each, \$10 per doz.

CALIMERIS incisa. A useful perennial for the border or the cutting garden. Double white flowers. 2 ft. July, Aug.

CALLIRHOE involucrata. ★ Trailing plant with saucer-shaped, bright rosy crimson flowers. 9 in. July, Aug.

CALLUNA. ★ (See also *Erica.*) Hardy evergreen flowering shrubs. Plant in moist open beds, borders, or rock-gardens; likes a peaty soil.

Vulgaris alba. ★ *White Scotch Heather.* 6 to 8-in. plants, \$1.50 for 3, \$5.50 per doz.; 10 to 12 in., 75 cts. each, \$8 per doz.

Vulgaris Alporti. ★ A crimson-flowered Heather. 6 to 8 in. high, \$1.50 for 3, \$5.50 per doz.

Vulgaris aurea. ★ Pink flowers. Foliage yellow. 4 to 6 in. high, \$1.50 for 3, \$5.50 per doz.

Vulgaris cuprea. ★ Golden, turning to bronze-pink. 8 to 10 in. high, 75 cts. each, \$8 per doz.

Vulgaris rosea. ★ *Rose-colored Heather.* 4 to 6 in. high, \$1.50 for 3, \$5.50 per doz.

Customers desirous of acquiring a stock of the above Callunas to grow on for extensive plantings can be supplied with plants in 2½-in. pots, our selection, at \$30 per 100.

Campanula

Carpatica. ★ Grows in compact tufts and bears clear blue flowers. 6 in. July. \$1 for 3, \$3.75 per doz.

Carpatica alba. ★ White form of above. 6 in. July. \$1 for 3, \$3.75 per doz.

Carpatica, Dwarf Hybrids. ★ Various shades of blue and white. Compact plants. 6 in. June-Aug. \$1 for 3, \$3.75 per doz.

CAMPANULA celtidifolia, E. Molyneux. A very pleasing blue. If cut back after flowering, this variety will bloom again in autumn. 2½ ft. July-Sept. \$1.20 for 3, \$4.50 per doz.

Erinus. ★ Pale blue but more compact than *Garganica*. 4 in. July. \$1 for 3, \$3.75 per doz.

Garganica. ★ Clear deep blue with white eye. Trailing habit. 4 in. July. \$1.20 for 3, \$4.50 per doz.

CAMPANULA glomerata acaulis. ★ A dwarf plant of compact habit, with flowers of a rich violet color. July. \$1 for 3, \$3.75 per doz.

Glomerata superba. A general favorite. Large, close heads of deep blue. 1½ ft. July. \$1 for 3, \$3.75 per doz.

Muralis. ★ Prostrate habit. Deep lavender flowers. 4 in. July. \$1.20 for 3, \$4.50 per doz.

Persicifolia alba. Snowy white bells, valuable for cutting. 2½ ft. June.

Poscharskyana. ★ A new species from Serbia. Strong-growing plant, suitable for a dry wall. Sprays of lavender-blue flowers. 9 in. June. \$1.20 for 3, \$4.50 per doz.

Telham Beauty. Long stems and single, bell-shaped lavender-blue flowers. 4 ft. July. \$1 for 3, \$3.75 per doz.

CAMPANULA persicifolia flore-pleno. Double flowers on long, wiry stems. Make a pleasing display during July and Aug. \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★ Dwarf plants for the Rock-garden and edging the Perennial Border

Plant Chrysanthemums to Have a Colorful Autumn Flower-Garden

CANTERBURY BELLS (*Campanula Medium*). Well-known biennials; provide a fine show during June. 2 ft.

Single, Mixed.

Double, Mixed.

Cup and Saucer, Mixed (*C. calycanthema*).

CARNATION, Dwarf Vienna. ★ Useful for early summer display. 1 ft. June.

CARYOPTERIS Mastacanthus superbus.

New introduction; free-flowering, woody plant 2 to 3 feet high. Long branches are covered with whorls of attractive flowers in tiers during September and early October. **Blue, Pink, or White.** Plants from 3-in. pots (in spring), \$1 for 3, \$3.75 per doz.

CENTAUREA macrocephala. The globe-thistle-like flowers of a rich yellow make a striking picture in the garden. July.

Ruthenica. Slender stems crowned with lemon-yellow, thistle-like flowers. 2½ ft. Aug. 1-yr. plants.

CEPHALARIA tatarica. Giant Scabious. Stately plant with creamy white flowers. 6 ft. Aug.

CERASTIUM tomentosum. ★ Snow-in-Summer. Silvery white foliage. Produces a mass of snow-white flowers. 9 in. Aug.

CHELONE barbata, Pink Beauty. Bright glowing shell-pink. 3 ft. Aug. \$1 for 3, \$3.75 per doz.

Barbata Torreyi (*Pentstemon barbatus Torreyi*). Slender flowers like red fire-crackers. Very decorative. 3 ft. Aug.

CHRYSOGONUM virginianum. ★ Ideal ground-cover for partial shade. Rich yellow flowers. 6 in. May-Aug. \$1.50 for 3, \$5.50 per doz.

COREOPSIS, Mayfield Giant. An improved Grandiflora, having larger flowers and longer stems. 2½ ft. July.

Perry's Variety. A semi-double flower of golden yellow color. 2½ ft. July.

COTULA squalida. ★ Excellent carpeting plant with close evergreen foliage. Good for damp and shaded paving. 2 in. \$1.20 for 3, \$4.50 per doz.

HARDY CHRYSANTHEMUMS

SINGLE KOREAN

Aphrodite. • Soft pink. Blooms in early October.

Apollo. Bronze-red, gold suffused.

Agnes S. Clark. A blend of bronzy pink, apricot, and salmon.

Ceres. • Old-gold, blended with chamois-yellow and soft coppery bronze.

Daphne. A blending of daphne-pink with an underlying sheen of lilac-rose.

Hebe. • Soft luminous pink flowers with a faint silvery halo.

Innocence. ★ Dwarf hybrid Korean sort useful for bordering, or grouping in the rockery. Seldom exceeds 1½ feet, spreads about 2 feet. Pure white flowers, 2½ inches across, changing to soft pink.

Nancy Copeland. 3½-inch flowers of spectrum-red. 2½ ft. Late Sept.

Orion. • Brilliant canary-yellow with clear-cut, ray-like petals.

Pink Lustre. 3-inch orchid-pink flowers. 2½ ft. Late Sept.

Saturn. Brilliant orange and bronze. Robust. Blooms in early October.

Vulcan. Carmine-red shade to garnet.

Above varieties, \$1 for 3, \$3.75 per doz.

DOUBLE KOREAN

Ember. Incurved 3-inch flowers of brilliant glowing bronze. 3 ft. Mid-Oct.

Indian Summer. • Vivid glowing orange, full, double flower, 3 inches across. Early October.

King Midas. Shaggy, double flowers, 4 inches across, of soft yellow, tinted bronze. 2½ ft. Late Sept.

Romany. Soft glowing red with bronze tones. The blooms are full double, 3½ inches across. Flowers in early October.

The Moor. Double, 3-inch flowers of port-wine color. 2 ft. Late Sept.

Above varieties, \$1.50 for 3, \$5.50 per doz.

The Fuzzymum

An unusual break in Chrysanthemums which appeared suddenly on Long Island. The beautiful golden tan flowers are 5 inches across, curled, and perfectly double. Every floret has a feathered tip, and these give a wild, fuzzy appearance to the flower. Recommended for exhibition and cut-flower purposes. \$1.50 for 3, \$5.50 per doz.

OTHER HARDY CHRYSANTHEMUMS

Double

Amelia (Azaleamum). Globular plant; double, lilac-pink blooms.

Fireball. Dazzling bright red.

Frances Whittlesey. • Bronze-garnet.

Granny Scovill. Flowers 5 inches across, of a warm coral-bronze.

Jean Treadway. • Lovely sparkling pink.

Ruth Cumming. Terra-cotta-bronze.

Wheatley Hills. • Lively yellow, overlaid cream.

Mixed. All colors; not named.

Single

Astrid. The hardiest Hybrid Chrysanthemum. Beautiful, daisy-like flowers, 3 inches in diameter. Lovely shade of shell-pink, tinted old-rose; bright yellow center.

Crimson Splendor. Rich crimson-maroon flowers 4 inches in diameter.

Mrs. W. E. Buckingham. Excellent pink.

Mixed. All colors; not named.



Pompons and Buttons

Crimson Pompon. Brilliant shade of crimson.

Early Bronze. • An attractive color.

Irene. Dwarf, white Button.

Judith Anderson. • Rich yellow, shaded orange. Good habit; early.

Lillian Doty. Large; incurved; pink.

R. Marion Hatton. Bright canary-yellow.

Ruth Hatton. White.

Sonny Boy. Bright, light yellow.

Mixed. All colors; not named.

In September, we can supply varieties marked • in bud, at \$1.50 each, \$16 per doz.

SPECIES CHRYSANTHEMUMS

C. Mawi. Pink flowers with darker centers and silvery green foliage. 1 ft. \$1.50 for 3, \$5.50 per doz.

C. nipponicum. Shrubby plant. Pure white flowers. Its late flowering season makes it desirable. 2½ ft. Oct. \$1 for 3, \$3.75 per doz.

CHRYSANTHEMUM maximum. The well-known Shasta Daisy.

Alaska. Large white flowers, invaluable for cutting. 2 ft. June.

Conqueror. An improved Shasta Daisy. 3½ ft. July.

Dwarf Avalanche. An ideal plant for the herbaceous border. 1 ft. July.

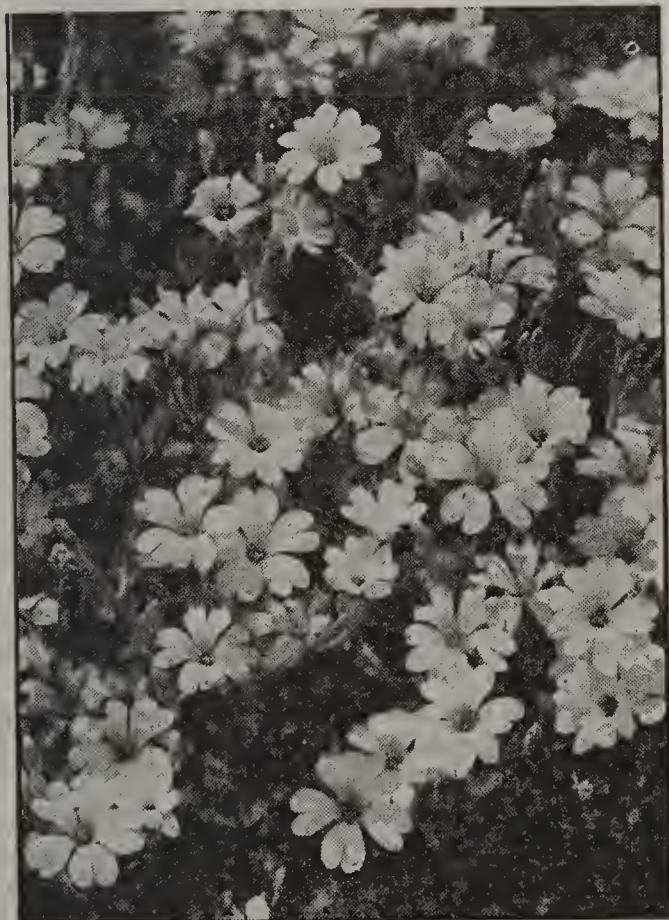
Earliest of All. An early Shasta Daisy of merit, flowering in June. 2 ft. \$1 for 3, \$3.75 per doz.

Mayfield Giant. Very large, free-flowering variety. 2½ ft. Aug.

White Swan. Double white Shasta Daisy, flowering in June and July. In appearance like a double Pyrethrum. Excellent for cutting. \$1.20 for 3, \$4.50 per doz.

CYNOGLOSSUM nervosum. A showy border plant covered with rich gentian-blue flowers. 1½ ft. July.

DAPHNE Cneorum. ★ Garland Flower. An evergreen shrub of small stature, with bright pink fragrant flowers. In late summer the flower display is repeated. 8 to 10 in., 75 cts. each, \$8 per doz.; 12 to 15 in., \$1.50 each, \$16 per doz.



Cerastium tomentosum

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Perennials Are the Aristocracy of the Garden; Delphinium Is Monarch of Them All



Super Gold Medal Hybrid Delphiniums

- Wave Crest Blue Shades.** A very delicate and charming strain of pale and light blues. \$1.50 each, \$16 per doz.
- Delft Blue Shades.** True blues of special beauty. \$1.50 each, \$16 per doz.
- Salon Blue Shades.** This strain abounds in rich, dark, velvety tints. \$1.50 each, \$16 per doz.
- Royal Art Tints.** A very desirable mixture of subtle and odd shades. \$1.50 each, \$16 per doz.
- Super Gold Medal Hybrids.** Yearling plants, 90 cts. for 3, \$3.25 per doz.; 1-yr., \$1 each, \$11 per doz.; 2-yr., \$1.50 each, \$16 per doz.
- Hollyhock Strain (Wrexham).** \$1.50 for 3, \$5.50 per doz.

Belladonna. Yearling plants, 90 cts. for 3, \$3.25 per doz.; large, 2-yr., \$1 each, \$11 per doz.

DELPHINIUM Belladonna, Cliveden Beauty. Bright sky-blue, throwing much larger spikes than the type. 4 ft. July. \$1.20 for 3, \$4.50 per doz.

Bellamosa. Yearling plants.

Blue Grotto. Royal blue. Dwarf and free flowering. Very useful for cutting. 1½ ft. July, Aug.

Chinensis. Ultramarine-blue.

Chinensis alba. A white form.

Lamartine. A Formosum hybrid. Dark blue. Excellent branching habit. Highly recommended. 4 ft. \$1 for 3, \$3.75 per doz.

DRYAS octopetala. ★ White flowers starred on mats of deep green. For half shade. 4 in. July. \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★ Dwarf plants for the Rock-garden and edging the Perennial Border

Dianthus (Pinks)

Low, tufted plants with beautiful fringed and fragrant flowers so valued in old-fashioned gardens.

Arenarius. ★ Flowers white with a carmine ring, deeply fringed. 6 in. July.

Arvernensis. ★ A fine carpeting species. Spreading mats of gray-green covered with small pink flowers. 3 in. July.

Beatrix. ★ Light salmon-pink. Exceptionally fine variety. Blooms from May to November. 9 in.

Her Majesty. Pure white, sweet-scented flowers. Silver-gray foliage. 1 ft. June.

Prince Bismarck. ★ Somewhat similar in habit to Beatrix; rose-color. 1 ft. June.

Scotch or Florists' Pinks. Wide range of colors. Free flowering. 1 ft. June.

Barbatus. See Sweet William.

Dicentra

Eximia. ★ *Fringed Bleeding-Heart.* The compact plant, with finely cut leaves and racemes of rose-pink flowers, is very much admired. 1 ft. April-July. \$1.20 for 3, \$4.50 per doz.

Glaucia (D. oregana). Finely cut silvery foliage with cream-colored flowers. 1 ft. June. \$1.20 for 3, \$4.50 per doz.

Spectabilis. The well-known Bleeding-Heart. \$1.50 for 3, \$5.50 per doz.

Digitalis (Foxglove)

A stately plant used extensively in shrubbery borders and along the edge of woods.

Giant Shirley. Wide range of colors in white to deep rose; many spotted with crimson and maroon. 6 ft. June.

Lutea. Dwarf. Pale yellow. 2½ ft. July.

Monstrosa. *Mammoth Foxglove.* Long spike topped by one large flower. 3½ ft. June.

DORONICUM. *Leopard's-bane.* Delights in a sunny position, producing large, yellow, daisy-like flowers in May.

Clusi. ★ Bright yellow flowers on 9-inch stems. May. \$1.20 for 3, \$4.50 per doz.

Excelsum. Handsome yellow blooms on 2-foot stems. Excellent for cutting. May.

DORONICUM Pardalianches. The Golden-bunch Doronicum. Bright yellow. 2½ ft. June. \$1.20 for 3, \$4.50 per doz.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and deep metallic blue flowers. 3 ft. July.

EPIMEDIUM macranthum niveum.

★ An attractive dwarf plant with delicate leaves on slender stems. Appreciates shade. White. May, June. \$1.50 for 3, \$5.50 per doz.

Macranthum roseum elegans. ★ A useful ground-cover in shade. Rosy pink. May-July. \$1.50 for 3, \$5.50 per doz.

ERICA. *Heath.* See also Calluna.

Carnea. ★ A charming companion plant to the Heathers. Bright rose. 6 in. March. Plants from 4-in. pots.

Carnea alba. ★ A white-flowered form of the above.

Carnea, King George. ★ Glowing dark red flowers, which appear early.

Erica, continued

Mediterranea. Pink. 2½ ft. April.

Vagans. ★ A dwarf, compact Heather with flesh-pink spikes of bloom. 1 ft. Aug.-Oct.

Vagans, St. Keverne. Lovely pink. One of the best. 1½ ft. July-Oct.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

ERINUS alpinus roseus. ★ A good rock-garden plant. Pink flowers. 4 in. May. \$1 for 3, \$3.75 per doz.

Alpinus albus. ★ Compact plant with white flowers. Planted along with Roseus in rifts between rocks will give a pleasing picture in the alpine garden. 4 in. May. \$1.35 for 3, \$5 per doz.

Alpinus, Dr. Haenaele. Very bright rich crimson form. 4 in. May, June. \$1.20 for 3, \$4.50 per doz.

ERODIUM chamædryoides. ★ An ideal rock-garden plant with white and pink flowers. 3 in. June-Sept. \$1 for 3, \$3.75 per doz.

EULALIA. See Miscanthus.

EUPATORIUM ageratoides. Heads of pure white flowers. 2 ft. Aug.

Cœlestinum. Known as the Hardy Ageratum. Blue flowers. 2 ft. Aug.

FESTUCA ovina glauca. ★ Dwarf, blue-gray, tufted grass. An ideal plant for the rock-garden.

FUNKIA (Hosta). *Plantain Lily.* A handsome subject which will thrive in almost any position, including semi-shade.

Fortunei robusta. Glaucon green foliage. Lilac-blue flowers. 2 ft. July.

Lancifolia albo-marginata. Green-and-white variegated foliage.

Subcordata grandiflora. Large, pure white flowers and bold foliage. 1½ ft. Aug. \$1.20 for 3, \$4.50 per doz.

Gaillardia

A very useful plant that stands dry weather conditions better than most, delights in strong sun, and is useful as a cut-flower.

Burgundy. Brilliant coppery scarlet. Beautiful cut-flower. 2½ ft. June.

Goblin. ★ A dwarf variety, growing 12 to 15 inches high. Blooms bright yellow with a deep red zone. Very useful in the rock-garden or for edging the border. July-Sept. \$1 for 3, \$3.75 per doz.

Mr. Sherbrook. Bright English variety with full, circular flowers of a rich golden yellow with a pale yellow center. The large, self-colored blooms, supported by stout stems above the pale green foliage, continue from early summer until late into the fall. \$1.50 for 3, \$5.50 per doz.

Ruby. A ruby-red counterpart of the above. Planted together they make a very colorful picture. \$1.50 for 3, \$5.50 per doz.

Portola. Flowers have coppery scarlet petals, heavily margined with gold. 2½ ft. June.

Torchlight. Very large; crimson, gold edge. 3 ft. June.

S. & W. Co.'s Giant Hybrids. Specially selected strain of a splendid type. 2½ ft. June.

GENTIANA acaulis Clusi. ★ An improved Acaulis with somewhat larger gentian-blue flowers on a longer stem. 6 in. June. Plants from 2½-in. pots, \$1.20 for 3, \$4.50 per doz.

HARDY ASTERS For the Perennial Border



LITTLE BOY BLUE

Bright blue, semi-double flowers produced on an upright, pyramidal stem which is completely smothered in bloom. This is a plant of striking beauty. 1½ ft. Sept. \$1.50 for 3, \$5.50 per doz.



LITTLE PINK LADY

Large, semi-double, rich pink flowers on bushy plants. Both the above and Little Boy Blue received an Award of Merit, Royal Horticultural Society, England. 1½ ft. Sept. \$1.50 for 3, \$5.50 per doz.

COLLECTION: 3 plants of each of these two New Hardy Asters, \$2.75



HELIANTHUS, SOLEIL D'OR

The large, double flowers are like a dahlia in shape, and rich yellow. 4 ft. \$1.50 for 3, \$5.50 per doz.

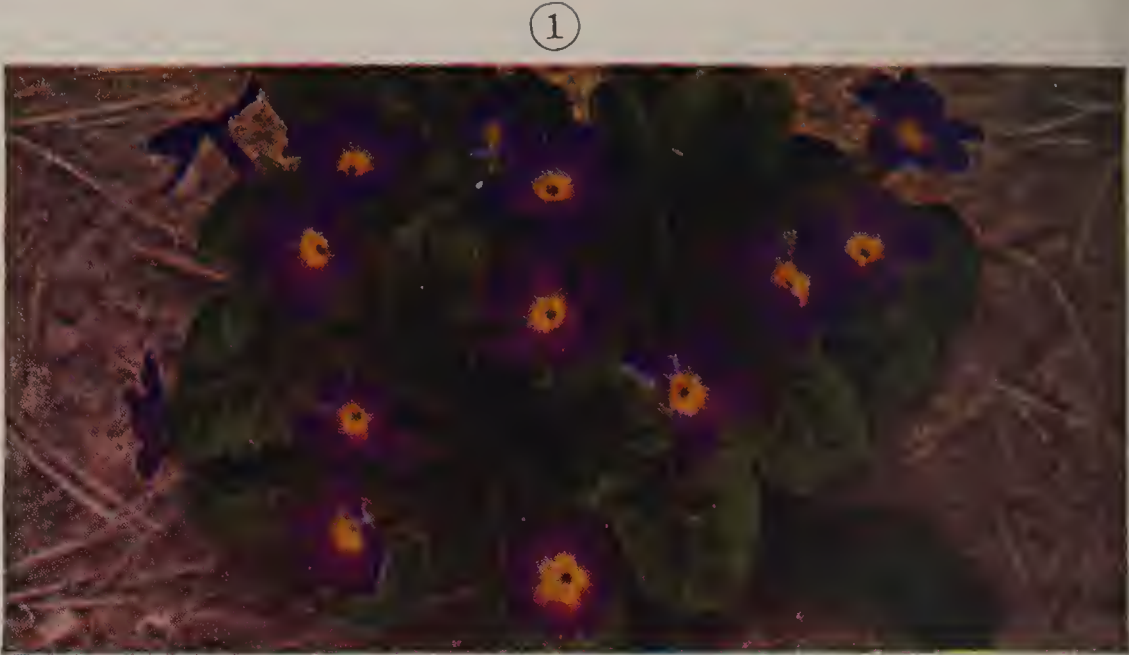


GEUM BORISI

Acknowledged to be the best of the Geums. Large, cordate foliage and orange-scarlet flowers in July and August. Grows 1½ feet high. \$1.50 for 3, \$5.50 per doz.

BEAUTIFUL HARDY PRIMULAS

	3 plants	Doz. plants
1. WANDA. Purple flowers with golden eyes	\$1.20	\$4.50
2. ACAULIS. Pastel shades	1.00	3.75
3. ELATIOR. Mixed colors	1.00	3.75
4. DENTICULATA. Lilac shades	1.20	4.50
5. OFFICINALIS. Art shades	1.00	3.75
6. CORTUSOIDES. Lavender-pink	1.20	4.50
7. JAPONICA. S. & W. Co.'s Mixed Strain .	1.20	4.50



SPECIAL COLLECTIONS

Three plants each of the above seven Primulas
(21 in all) **\$7**

Twelve plants each (84 in all) **\$25**

These Hardy Primulas are grown in our own gardens at
Farmingdale, L. I.

Combine Baby's Breath with Other Cut-Flowers to Enhance Their Beauty

GERANIUM pectinatum. A hardy plant for the border, with rosy pink flowers all summer. 1½ ft. \$1.20 for 3, \$4.50 per doz.

GERBERA. Transvaal Daisy. These plants carry 3-inch, daisy-like flowers on 12-inch stems. Requires mulch of leaves or hay in the winter if left out. Clumps can be dug and kept in continual bloom if brought into greenhouse.

Jamesoni Hybrids, Single. A mixture of light pink, yellow, orange, and scarlet. 15 in. Aug. 75 cts. each, \$8 per doz.

Jamesoni Hybrids, Double. Very rare type. Mixed colors. \$1 each, \$11 per doz.

Geum

Beautiful hardy perennials blooming from June to August.

Borisi. ★ Orange-red flowers produced almost continuously through the summer months. 1½ ft. July. \$1.50 for 3, \$5.50 per doz.

Dolly North. Rich apricot shade. 2 ft. June-Sept. \$1.50 for 3, \$5.50 per doz.

Princess Juliana. ★ A new, double variety with very large, pure orange flowers on strong stems. June-Oct. \$1.20 for 3, \$4.50 per doz.

Gypsophila

Branching or slender, spreading plants which thrive well in an open, dry situation. Desirable where a mass of misty bloom will fill in a bare space.

Acutifolia. Rose-lilac flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. The most popular variety for cutting. Huge panicles of pure white flowers. 4 ft. July. 1-yr. plants from 3-in. pots, \$1.20 for 3, \$4.50 per doz.; 2-yr. field-grown, 60 cts. each, \$6.50 per doz.

Cerastioides. ★ Little 1-inch tufts of foliage covered with white flowers in the spring. 3 in. June.

Pacifica. Blooms later than *Paniculata*. Flowers are rose-colored. 2 ft. Aug.

Paniculata. Baby's Breath. Masses of minute, pure white flowers. 2 ft. July.

Repens Bodgeri. A dwarf, double, very light pink variety growing about 1 foot high. July. \$1.35 for 3, \$5 per doz.

HEDERA Helix. English Ivy. Where hardy, it is the finest ground- or wall-cover. 12 to 15-in. lengths, \$1.20 for 3, \$4.50 per doz.

Helix. Albany Ivy. Compact, erect plant, useful for edging the rose-garden or perennial border. In 3-in. pots, 60 cts. each, \$6.50 per doz.

Helix conglomerata. ★ A quaint little Ivy with small, twisted stems. \$1.50 for 3, \$5.50 per doz.

Helix gracilis. Small-leaf English Ivy. The slender vines are not so densely clothed with foliage. \$1.50 for 3, \$5.50 per doz.

Helix minima. ★ A minute Ivy of great value in the rock-garden. \$1.50 for 3, \$5.50 per doz.

HELIANTHUS.

Monarch. Fine deep orange. 5 ft. Sept.

Soleil d'Or. Large, double, dahlia-like flowers of rich yellow. 4 ft. Aug. \$1.50 for 3, \$5.50 per doz.

HELENIUM, Crimson Beauty. The distinct advantage possessed by this variety is its dwarf, compact habit and long flowering season, namely from July to September. \$1.50 for 3, \$5.50 per doz.

HELENIUM, Riverton Beauty. Lemon-yellow. 4 ft. Aug.

H., Riverton Gem. Crimson shot with gold. 4 ft. Aug.

HELIANTHEMUM. Sun Rose. They flower in abundance in June and July. All varieties about 6 to 10 inches high.

Double Yellow. ★ This new double form will be found a decided acquisition. Clear bright yellow. \$1.20 for 3, \$4.50 per doz.

Buttercup. ★ Bright yellow.

Clara Middleton. ★ Single; rich orange.

Croceus. ★ Bright orange-red.

Mrs. Earle. ★ Scarlet; double.

Præcox. ★ Yellow; single.

Rhodanthum carneum. ★ A pleasing shade of pink with gray foliage.

Rose Queen. ★ Single; pale pink.

The Bride. ★ Single; pure white.

Above eight varieties, \$1 for 3, \$3.75 per doz.

HELIOPSIS. Showy perennials of the sun-flower type.

Scabra gratissima. Golden yellow flowers on 1½ to 2-foot stems. 3 ft. Sept.

HELLEBORUS caucasicus. Strong-growing plant with green and white flowers. 1½ ft. Dec., Jan. \$1 each, \$11 per doz.

Niger. Christmas Rose. Very large white flowers. An ideal plant in shady nooks. Select a location where they will not be continually disturbed. Natural flowering season is from December to February. \$1 each, \$11 per doz.

HEUCHERA. Alum-Root; Coral Bells. Racemes of coral-red and white flowers.

Rain of Fire. ★ Bright rosy red. 1 ft. July.

Sanguinea. ★ *Coral Bells*. Red. 9 in. July.

Sanguinea alba. ★ White form of above. 1 ft. July.

All Heucheras, \$1 for 3, \$3.75 per doz.

HIBISCUS. Mallow. A strong-growing plant, very effective during August and September. 5 ft.

Mallow Marvels. Red, white and pink.

White with Crimson Eye Pink Red

All Hibiscus, 1-yr. plants, 90 cts. for 3, \$3.25 per doz.; 2-yr., \$1.20 for 3, \$4.50 per doz.

Hemerocallis (Day Lily)

The tall, graceful, grass-like foliage sets off the charming, fragrant, lily-like flowers very effectively. We are now able to offer varieties which carry the blooming season from late May until late August. We have entered opposite each variety the dates on which they first bloom at our Perennial Farm. The season for bloom is from four to six weeks.

Bay State. Large orange flowers appear June 25. 3 ft. 75 cts. each, \$8 per doz.

Cinnabar. Cadmium-yellow, sprinkled with brown. First flowers June 18. 2½ ft. 75 cts. each, \$8 per doz.

D. D. Wyman. Large; golden yellow with brown bars. First blooms June 17. 3 ft. 75 cts. each, \$8 per doz.

Dover. Early. Large; golden yellow. Blooms May 25. 2½ ft. 60 cts. each, \$6.50 per doz.



Helenium

Hemerocallis, continued

Dr. Regel. Rich orange-yellow flowers, fragrant and fine for cutting. First blooms May 20. 2 ft.

Fulva maculata. Brownish red, orange midrib and center. First blooms June 24. 4 ft. 60 cts. each, \$6.50 per doz.

George Yeld. Large; golden yellow with brown suffusion. First blooms July 1. 3½ ft. 60 cts. each, \$6.50 per doz.

Gold Dust. Orange flowers. First blooms May 25. 2½ ft.

Golden Dream. Deep golden yellow. Blooms June 8. 3 ft. 75 cts. each, \$8 per doz.

Goldeni. Pure golden yellow. Very free flowering. First blooms June 8. 3 ft. \$1.50 for 3, \$5.50 per doz.

J. A. Crawford. Fine apricot-yellow. First blooms June 17. 4 ft. 60 cts. each, \$6.50 per doz.

Gypsy. Very deep orange. First blooms June 17. 4 ft. 75 cts. each, \$8 per doz.

Kwanso fl.-pl. Large, double variety; rich golden bronze flowers. Blooms July 1. 3½ ft. \$1.50 for 3, \$5.50 per doz.

Lemona. Lemon-yellow. First blooms June 17. 3½ ft. 75 cts. each, \$8 per doz.

Mrs. W. H. Wyman. Late-flowering sort. Golden yellow. First blooms July 1. 3½ ft. 75 cts. each, \$8 per doz.

Ophir. Tall. Lemon-yellow. First blooms June 25. 4 ft. \$1 each, \$11 per doz.

Sir Michael Foster. Large; apricot-yellow; petals ruffled. First blooms June 15. 3 ft. \$1 each, \$11 per doz.

Sunkist. Our stock produces deep golden orange flowers of medium size, with broad recurved petals. First blooms June 17. 3 ft. \$1 each, \$11 per doz.

The Gem. Pale gold. First blooms June 15. 3 ft. 75 cts. each, \$8 per doz.

Herbs

Mint, Sage, Thyme and twenty-one other Culinary Herbs are described and offered on page 61.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Do You Collect Paintings or China? Start an Iris Collection—It Grows



Hollyhocks

(*Althea rosea*.) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Exquisite Rose. *New.* Ruffled and fringed double flowers of old-rose with white edge.

Prince of Orange. Double flowers of a brilliant orange hue.

Triumph Hybrids. Produces flowers in a choice variety of colors on plants of branching habit growing 5 feet high.

SUPERB DOUBLE HOLLYHOCKS.

Chamois	Salmon-Pink
Deep Rose	Scarlet
Maroon	White
Newport Pink	Yellow
Double, Mixed	

SUPERB SINGLE HOLLYHOCKS.

Apricot	Scarlet
Lilac	White
Pink	Yellow
Purple	Single, Mixed

HOSTA. See Funkia.

HYPERICUM. *St. John's-Wort.* Sun or partial shade.

Fragile. ★ A beautiful rock alpine with yellow flowers. 4 in. July.

Repens. ★ Foliage arranged like a pin-wheel. Large yellow flowers. 4 in. July.

IBERIS. *Hardy Candytuft.* Very desirable plant for rock- and wall-gardens, having evergreen foliage which is completely covered with dense heads of white flowers.

Gibraltarica. ★ Seldom out of flower. Lilac color. 9 in. May.

Sempervirens, Little Gem. ★ Dwarf plant that becomes a mass of white flowers. 8 in. June.

Sempervirens, Snowflake. ★ Strong-growing variety with large heads of snow-white flowers. 15 in. May.

INULA Royleana. A very useful plant for the border, also for cutting, the color being a bright orange-yellow. 2 ft. July. \$1.50 for 3, \$5.50 per doz.

IRIS cristata. ★ *Crested Iris.* Grows only 6 inches high, making it suitable for the rock-garden. Flowers are the size of a silver dollar, soft amethyst-blue, crested and with a touch of gold; fragrant. 6 in. May.

Cristata alba. ★ Pure white form of *Cristata*. Choice and rare. 6 in. May. 60 cts. each, \$6.50 per doz.

Iris Germanica

These easily grown Iris need no introduction. They come in a wide range of colors that will meet all your requirements.

Afterglow. Blending of lavender, gray, and pink, shading to buff.

Alcazar. Standards of soft violet, with falls of a rich velvety crimson.

Alcina. Yellow standards that blend with bluish falls. \$1.50 for 3, \$5.50 per doz.

Ambassadeur. Standards are rosy lilac; falls rich purple.

Asia. Standards pale silvery lavender with golden base; falls rosy lavender. \$1.50 for 3, \$5.50 per doz.

Athene. Tall bearded white. \$1.50 for 3, \$5.50 per doz.

Baldwin. One of the largest varieties, a giant violet-purple. 40 in.

Bruno. Standards heliotrope, flushed bronze, with falls of rich purple.

Cameliard. One of the best and most brilliant light-type varieties. Standards clear amber-yellow; falls flushed light purple, yellow near the edges. \$1.50 for 3, \$5.50 per doz.

Clara Noyes. This Iris is creating a good deal of interest among Iris-lovers. The coloring is a medley of peach and apricot tones, suggesting the rich blendings of the rose Talisman. \$1 each, \$11 per doz.

Coppersmith. One of the best coppery red types. A very unusual color. \$1.50 for 3, \$5.50 per doz.

Dominion. A well-known variety with standards of Dauphin-blue and falls of a rich purple. \$1.50 for 3, \$5.50 per doz.

Dorothy Deitz. An ideal landscape variety. The standards are white, faintly flushed with blue, with falls of a bright violet, paling at the edges. 75 cts. each, \$8 per doz.

Dream. Soft, clear, uniform pink.

El Capitan. All Iris exhibitors will welcome this variety, a gigantic light manganese-violet. Frequent winner at shows, and a real acquisition to the garden. 75 cts. each, \$8 per doz.

Evolution. Tall bearded, self-colored yellow. \$1.50 for 3, \$5.50 per doz.

Frieda Mohr. A giant-flowering pink variety. 75 cts. each, \$8 per doz.

Goblin Red. Ox-blood-red. Quite distinct. \$1.50 for 3, \$5.50 per doz.

Gold Imperial. Deep chrome-yellow.

Gold Stream. Creamy white with an orange beard. Medium height. \$1.50 for 3, \$5.50 per doz.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. A striking feature of this flower is the bright golden beard, which is so prominent that it may be seen across the garden. 75 cts. each, \$8 per doz.

Henri Riviere. An excellent flower in delicate shades of soft yellow and pale lilac-mauve. The lilac shading is very delicate, so that the general effect is yellow. 3½ ft. \$1 each, \$11 per doz.

Iris Germanica, continued

Honeydrop. Pleasing blend of brown, old-rose, and yellow. One of the really unusual combinations. 3 ft. \$1 each, \$11 per doz.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched. 75 cts. each, \$8 per doz.

Isoline. Lilac-pink, golden at throat. \$1.50 for 3, \$5.50 per doz.

Los Angeles. Giant white, with faint edgings of lavender-blue. A flower that is at once admired for its sparkling appearance. 4 ft. 75 cts. each, \$8 per doz.

Ma Mie. White; frilled margins touched with blue.

Magnifica. The general color is violet, the standards blue, the falls red.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined light lavender. Beautiful indeed.

Morning Splendor. Deep rich purple. \$1.50 for 3, \$5.50 per doz.

Nebraska. Deep golden yellow; red-brown veinings in the falls. Flowers slightly ruffled. Late. \$1.50 for 3, \$5.50 per doz.

Pacific. Marvelous deep blue. Gigantic flower. Early. 75 cts. each, \$8 per doz.

Prosper Laugier. Standards glistening fiery bronze; falls rich ruby-red.

Raffet. Standards violet-blue; falls violet.

Romance. An interesting combination of rose and bronze; very fragrant. 2½ ft. \$1.50 for 3, \$5.50 per doz.

Seminole. Velvety red-purple with a bright orange beard.

Sensation. Clear and crisp self of cornflower-blue; extra large; perfect in every way. This variety has been called the peer of the blues. 4 ft. \$1 each, \$11 per doz.

Shekinah. Standards clear soft yellow.

Sherwin-Wright. A fine deep yellow.

Snow-white. Pure white, with soft green throat-markings. 2½ ft.

Wedgwood. One-color flower—delicate pottery blue.

White Knight. Perfect pure white blooms. An outstanding sort.

Spring- and Fall-Blooming Iris

Bloom both spring and autumn. No Iris garden is complete without them.

Autumn King. Blue-purple of good substance. 3 ft. \$1.50 for 3, \$5.50 per doz.

Autumn Queen. A very pretty white, dwarfer than the King. \$1.50 for 3, \$5.50 per doz.

Dorcas Hutchinson. Very fragrant; deep violet self. An Iris of great merit. 1½ ft. 75 cts. each, \$8 per doz.

Equinox. Reddish purple with darker falls. 26 in. 75 cts. each, \$8 per doz.

Golden Harvest. Large deep yellow blooms, veined with red-gold. Fall-blooming variety. 18 in. \$1 each, \$11 per doz.

September Skies. Clear purple-red, making an excellent combination when planted with Golden Harvest. 16 in. \$1 each, \$11 per doz.

Iris Kaempferi (Japanese Iris)

IMPROVED VARIETIES.

Betty Holmes. Tremendous, pure white flowers. Perfect in its purity. \$1 each, \$11 per doz.

Elbrus. Double, clear lavender flower of immense size, perfect form, and splendid substance. \$1 each, \$11 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Like a Gracious Lady, Fragrant Lavender Gives Poise to the Old-World Garden

Improved Iris Kämpferi, continued

Light in the Opal. New, clear pink, double Iris, the finest pink yet offered. \$1 each, \$11 per doz.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany, and larger. \$1 each, \$11 per doz.

Malmaison. Very late. Double, bluish violet blooms on a cream base, suffused deep pink, white center with radiating cast of blue. This Iris was greatly admired last year. \$1 each, \$11 per doz.

Violet Giant. Rich violet to rose; semi-double; frequently 27 inches in circumference. \$1 each, \$11 per doz.

White Giant. A strong grower. Pure white with yellow markings. \$1 each, \$11 per doz.

STANDARD VARIETIES.

Azure. Double; large; mauve-blue.

Choseidan. Double; ruby-crimson.

Gold Bound. The best white variety.

Kamata. Sky-blue, veined white.

La Favorite. Double; white, veined blue.

Mrs. George Stumpp. Single; white.

Painted Lady. Single; purple, white center.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Red Fox. The name indicates its hue. This Iris is one of the best in its color.

Templeton. Double; light violet, mottled reddish pink and white.

Violet Beauty. Deep violet; single.

All Standard Iris, \$1.50 for 3, \$5.50 per doz.

IRIS PUMILA. ★ *Dwarf Iris.* Lovely little Iris only 8 inches high; blooms in April and May. Useful for the rock-garden; can also be used for edging, or planting in front of tall Iris.

Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

IRIS SIBIRICA. *Siberian Iris.* These are much like the Dutch Bulbous Iris. Their foliage, however, is long and grass-like. Splendid for cut-flowers.

Emperor. A dark violet-blue.

Perry's Blue. Sky-blue. Most popular.

LAVANDULA vera compacta nana. ★ A desirable form of Lavender. Very fragrant. Plants from 2½-in. pots.

Vera, Munstead. ★ A compact plant, excellent for edging. \$1.20 for 3, \$4.50 per doz.

Liatris scariosa alba

A splendid new snow-white variety, highly recommended for the border or for cutting. 75 cts. each, \$8 per doz.

LIATRIS elegans. Wiry stems with flowers of rosy purple; blooms in late July. 2 ft. \$1.20 for 3, \$4.50 per doz.

Punctata. Very branching in habit. Not quite so full with blooms up the stem. A good plant for the perennial border. \$1.20 for 3, \$4.50 per doz.

Scariosa. Of the well-known Pycnostachya type, but flowers earlier. 3 ft. \$1.20 for 3, \$4.50 per doz.

Pycnostachya. *Gayfeather.* An attractive native hardy perennial. Long spikes of rosy purple bloom.

LINUM flavum. *Flax.* Shrubby plant covered with bright golden yellow flowers from June to August.

Perenne. Foliage is light and graceful. Flowers pale blue.

Perenne alba. White form of the well-known Blue Flax.

LOBELIA cardinalis. *Cardinal Flower.* Does best in shady and moist positions. \$1 for 3, \$3.75 per doz.

LOTUS corniculatus. ★ An ideal ground-cover for crazy paving. Bright green mats. Small orange flowers all summer. Plants in pots.



Lupinus (Lupine)

Sturdy perennials when once established. They like sunny, well-drained spots with soil that is not too rich; hate to be moved. At their best during June and July, but foliage is handsome throughout the season.

Polyphyllus albus. Pure white.

Polyphyllus, Blue Shades.

Polyphyllus, Red Shades.

Polyphyllus, Rose Shades.

Polyphyllus, All Shades, Mixed.

LYCHNIS. *Rose Campion.* Handsome perennial plants of easy culture, making bright scarlet masses in beds or borders.

Chalcedonica. Heads of scarlet flowers that contrast nicely with blue delphiniums.

Lychnis viscaria splendens

Flore-pleno. (Double)

Striking plant for massing, with large double Catchfly flowers in color from rose-pink to crimson. 1½ ft. \$1.50 for 3, \$5.50 per doz.

LYSIMACHIA Nummularia. ★ *Creeping Jenny; Moneywort.* Very valuable for planting in wet or damp locations, in shade or sun.

LYTHRUM roseum superbum. *Purple Loosestrife.* Rose-colored flowers. July.

MATRICARIA inodora plenissima. ★ *Chamomile; Feverfew.* Double; white. Good for cutting. June-Sept.

MAZUS reptans. ★ An alpine plant of carpeting habit, covered in spring with lilac flowers having a small white lip. Requires a well-drained and sheltered location. Useful in the crazy-stone path.

MISCANTHUS (Eulalia). Ornamental grass valuable for winter decoration.

Sinensis gracillimus. Narrow foliage. 4 ft. Sept. \$1.50 for 3, \$5.50 per doz.

Sinensis japonica. Deep green foliage. 4 ft. Sept. \$1.50 for 3, \$5.50 per doz.

MONARDA. *Bee Balm.* A plant that does well anywhere. Leaves are highly aromatic.

Didyma rubra. *Oswego Tea.* Bright red. 2½ ft. July.

Salmon and Mixed. 2½ ft. July.

Myosotis (Forget-me-not)

Very effective when planted in a mass.

Alpestris, Blue. ★ Compact little bushes. 6 in. April, May. \$1.20 for 3, \$4.50 per doz.

Palustris semperflorens. ★ A free, dwarf form, desirable for banks of streams or pools. 6 in. June.

NEPETA Mussini. ★ Dwarf; masses of lavender flowers. Border and rock-plant. 9 in. June.

Six Hills Giant. ★ This will prove a welcome plant for the large rock-garden or for bold plantings in wide perennial borders. \$1 for 3, \$3.75 per doz.

NIEREMBERGIA frutescens. Very effective in groups. The flowers are white, suffused with pale blue. Good ground-cover for hardy lilies. 1½ ft. July.

OENOTHERA. Striking plants which succeed well in any sunny position.

Clutei. Soft yellow flower. Branching habit. 3 ft. July.

Glauca Fraseri. Yellow. Dwarf plant. Good border subject. Long season. 1 ft. July.

Speciosa. Large, white, sweetly scented flowers. 2 ft. June-Oct. \$1 for 3, \$3.75 per doz.

OMPHALODES cappadocica. ★ Charming alpine species for partial shade. Silvery green foliage and large forget-me-not-blue and pink flowers. 9 in. May-July. \$1.20 for 3, \$4.50 per doz.

Verna. ★ *Navelwort; Creeping Forget-me-not.* Excellent for partial shade. Bright blue flowers of forget-me-not type. 1 ft. June. \$1.20 for 3, \$4.50 per doz.

Verna alba. ★ White. If used with the above blue form for a naturalized planting, the effect is unsurpassed. 1 ft. June. \$1.20 for 3, \$4.50 per doz.

PACHYSANDRA terminalis. ★ *Japanese Spurge.* Valuable evergreen plant producing broad mats of bright glossy green foliage. Its low habit makes it very desirable for use under trees, shrubs, or for bordering walks and drives. 6-9 in. For quick results, these should be placed 9 inches apart. Plants from 3-in. pots, 75 cts. for 3, \$2.75 per doz., \$20 per 100; 2-yr. field-plants, \$15 per 100, \$100 per 1000.

PASSIFLORA. *Passion Flower.* See page 82.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Plants Marked ★ on These Pages Are Recommended for the Rock-Garden

Peonies

Require deep, rich soil and an abundance of water during the growing season. They should be planted so that the eyes are barely covered (about 1 to 2 inches). The roots we offer have been grown two years from root-divisions. If planted during September and October, these roots should become well established and give some flowers the following season. Many of the following varieties received a very high rating by the American Peony Society. We recommend the planting of these two-year-old roots.

WHITE SHADES.

Festiva Maxima. Large flowers of feathery appearance, flecked crimson in center. 75 cts. each, \$8 per doz.

Kelway's Glorious. (Rated 9.8 by American Peony Society.) Gleaming white, very full, enormous flowers of ravishing beauty and purity, with rosy streak on the outside of the guard petals. Sweetly scented. \$3 each, \$33 per doz.

Baroness Schroeder. Very large white flowers, tinted with light pink stripings. Fragrant. A fine variety. \$1 each, \$11 per doz.

Le Cygne. Cream-white, flecked greenish at the inner center. Highest rated Peony. Recommended. \$2 each, \$22 per doz.

Lady Alexandra Duff. Soft creamy white; beautiful form. Perfect blooms of immense size; good texture. \$1.50 each, \$16 per doz.

Solange. Broad, rounded petals, suffused with reddish gold light. Late midseason. \$1.50 each, \$16 per doz.

PINK SHADES.

Alice Balfour. Lovely, large, double rose flower. \$1 each, \$11 per doz.

Mme. Benoit Riviere. Very free flowering. \$1 each, \$11 per doz.

Mme. Manchet. Full, cup-shaped flowers tinted silver. \$1 each, \$11 per doz.

RED SHADES.

Dr. H. Barnsby. Large, very full crimson bloom. \$1 each, \$11 per doz.

Felix Crousse. Compact, globular, and large. \$1 each, \$11 per doz.

Francois Rousseau. Has dark silky sheen toward base. \$1 each, \$11 per doz.

Karl Rosenfield. An early variety. Flower has no equal. \$1 each, \$11 per doz.

Mme. Gaudichau. Dark crimson. Late midseason. Strong grower. \$1.50 each, \$16 per doz.

Philippe Rivoire. Double. Early. Dark crimson, with a blackish sheen; fully double, with a symmetrical center; richly rose-scented. \$3 each, \$33 per doz.

YELLOW SHADES.

Primevere. Anemone type. Medium size; creamy white, enclosing a central ball of sulphur-yellow. Midseason. \$2 each, \$22 per doz.

TREE PEONIES

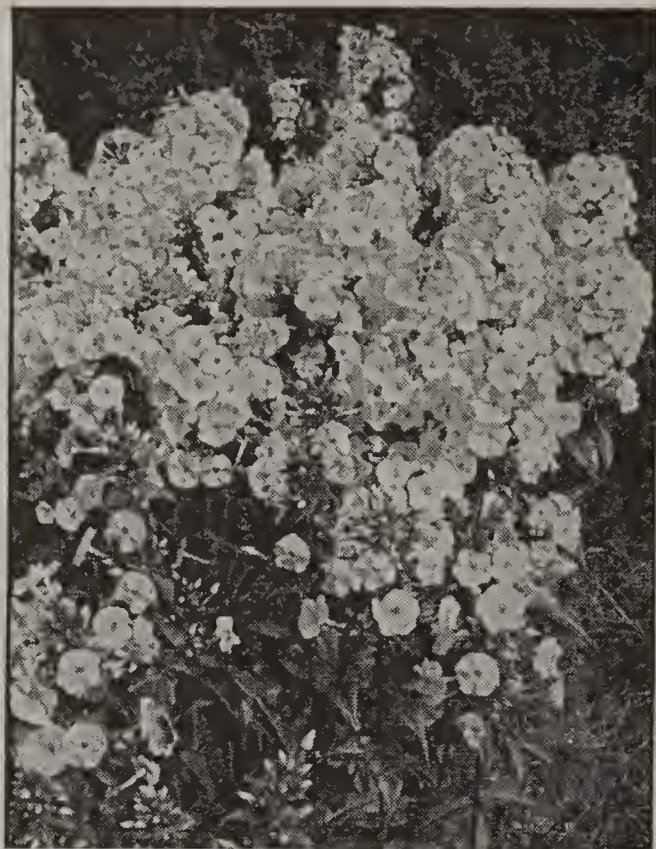
Hard-wooded, deciduous, shrubby plants, flowering from May to June.

Banksi. Double; pink with darker shades.

Haku-raku-ten. Semi-double; pure white.

Moutan. Single; purplish red.

7-yr.-old clumps, \$6 each, \$65 per doz.



Phlox decussata, Enchantress

SINGLE AND JAPANESE PEONIES.

Cathedral. Syn., Hana-no-sato. (Japanese.) Vivid dark rose; pink guard petals; compact center of long pale pink petaloids; yellow at the base. \$2.50 each, \$27.50 per doz.

Constance. (Japanese.) Pink with yellow center. \$2.50 each, \$27.50 per doz.

Hatsuege. (Japanese.) Broad guard petals, red in color, with rose-red petaloids. \$2.50 each, \$27.50 per doz.

Kino-Kimo. (Japanese.) Crimson-carmine, with vivid orange-pink staminodes. \$2.50 each, \$27.50 per doz.

La France. (Japanese.) Clear light pink with golden petaloids. \$2.50 each, \$27.50 per doz.

Nymphe. Large, flesh-colored petals with central tuft of golden stamens. \$1 each, \$11 per doz.

Othello. Deep rose. Excellent for Peony border. \$1 each, \$11 per doz.

Yeso. (Japanese.) Pure white; narrow center petals white shaded yellow. \$1.50 each, \$16 per doz.

PENTSTEMON acuminatus. Gray foliage plant with lilac-purple flowers. 1 ft. July, Aug. \$1.20 for 3, \$4.50 per doz.

Barbatus. See *Chelone barbata*.

Confertus atropurpureus. ★ Forms mats of deep green foliage. Flowers white, tube-shaped, tipped with deep blue. 6 in. July.

Digitalis. Foxglove Pentstemon. Effective spikes of white flowers, spotted purple. 4 ft. June, July. \$1.20 for 3, \$4.50 per doz.

Ovatus. Eggplant Pentstemon. Purplish blue flowers. 2 ft. July. \$1.20 for 3, \$4.50 per doz.

Phlox decussata

Eight New Varieties

Albert Leo Schlageter. Large, pyramidal trusses; bright scarlet, dark crimson eye. 2½ ft. Aug.

Blue Hill. A lilac-blue, the nearest to light blue. 2 ft. Aug.

Border Gem. Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug.

Caroline Vandenberg. Blue-violet. One of the best. 2½ ft. Aug.

Eight New Phlox, continued

Daily Sketch. The finest large-flowered Phlox. Blooms 2 inches across, clear pink with carmine eye. Good grower. 2½ ft. Aug.

George Stipp. Deep glowing salmon, light eye.

Margaret Gavin Jones. Rich pink with carmine eye.

Salmon Glow. Dwarf in habit. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug.

Any of above new varieties, \$1.50 for 3, \$5.50 per doz.

Ten Good Sorts

Beacon. Fine scarlet-cerise. Good robust variety. 3 ft.

E. I. Farrington. Soft salmon-pink with lighter eye. An improved Elizabeth Campbell. 2½ ft. Aug.

Enchantress. Bright salmon-pink, with darker eye. An improved Elizabeth Campbell.

H. B. May. Pale pink; immense trusses.

Jules Sandeau. Rose-pink, with good flower-trusses. 1½ ft. Aug.

Karl Foerster. Orange-red. 3 ft. Aug.

Morgenrood. A new shade of bright rose, with deeper eye. 2½ ft. Aug.

Mrs. Jenkins. Late white. 2½ ft. Sept.

Thor. Showy bright salmon-pink; large flowers and trusses.

Von Lassburg. Splendid white sort. 3 ft.

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX, Various.

Amœna. ★ A trailing variety, useful for carpeting. Rich bright pink flowers in April and May. 4 in.

Divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. One of the native wild flowers. 9 in.

Reptans (stolonifera). Pink flowers of the Divaricata type. Excellent for woodland planting. 6 in. June.

Stellata. ★ A rare and very choice alpine Phlox. Compact; smothered with white starry flowers in May. \$1.50 for 3, \$5.50 per doz.

PHLOX subulata. Moss Pink; Mountain Pinks. Pretty, moss-like, evergreen foliage which, during April and May, is hidden under masses of bloom.

Alba. ★ Pure white.

Fairy. ★ Pale blue, with dark eye.

G. F. Wilson. ★ Mauve.

Lilacea. ★ Lilac.

Rosea. ★ Rose-pink.

Rubra. ★ Crimson, with purple shading.

Vivid Red. ★

PHYSALIS Francheti. Chinese Lantern Plant. An ornamental Winter Cherry. Bright orange-scarlet, lantern-like fruits that when cut last all winter. 2 ft. Sept.

PHYSOSTEGIA. False Dragonhead.

Dwarf Vivid. Rosy red blooms that last well as cut-flowers. 2 ft. July.

Virginiana. Forms long spikes of tubular pink flowers. 3½ ft. July.

PLATYCODON. Balloon Flower; Japanese Bellflower. One of the best hardy perennials, producing very showy flowers during the whole season.

Grandiflorum. ★ Large, steel-blue flowers. 1½ ft. Aug.

Grandiflorum album. ★ A white form of the above. 1½ ft. Aug.

PLUMBAGO. Leadwort.

Larpenæ. Of dwarf, spreading habit, covered with blue flowers. 6 in. July.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

For a Garden Afire with Color, Plant Flame Flower; in Other Words, Tritoma

POLEMONIUM reptans, Royal Blue. ★ Interesting from a foliage as well as a flower point of view. Useful in the rock-garden or edging 1 ft. June, July.

POTENTILLA. Cinquefoil.
Argentea calabra. Yellow flowers. 1 ft. July.

Cinerea. ★ Minute, evergreen creeper with bright yellow flowers. 3 in. May.

Multifida (Tonguei). ★ Orange blooms, with crimson center. 6 in. All summer.

Poppies

PAPAVER NUDICAULE. Iceland Poppy.
A compact, neat plant flowering from July to October.

Alpina. ★ Dainty little flowers, white to rose, and buff, arising from tufts of silvery gray foliage. Charming for crevices of walls, paths, etc. 4 in. May-Sept.

Coonara Pink. ★ Many beautiful shades. A real garden gem.

Fakenham Hybrids. Sturdy strain with long, wiry stems, and over-sized flowers.

Tangerine. Fine deep orange color.

Yellow Wonder. Giant variety with enormous yellow flowers on long stems. 3 ft. June.

The Emperor. For a glowing crimson color in the garden, here is a plant that will please every grower.

The Empress. Flowers of a delicate shade of salmon-pink, borne on long, wiry stems. Strongly recommended.

White. A clear white. Useful for cutting.

Mixture. ★ Choice assortment of yellow, orange, and white. 1 ft.

PAPAVER ORIENTALE. Oriental Poppy.
This perennial Poppy is growing in favor with all garden lovers. To enable our customers to carry out spring planting, we offer pot-grown plants from rooted cuttings, not seedlings.

Apricot Queen. Deep apricot.

Bracteatum. Brilliant scarlet.

Brightness. Orange-scarlet.

Duke of Teck. Light crimson.

Enfield Beauty. Salmon with a maroon base. Late.

Goldschmidt. Orange-scarlet, with black blotch at base of petals.

Grand Mogul. Fiery red.

Joyce. Large cerise-rose flowers with a glistening black blotch at base of each petal.

May Queen. Pink flowers. Dwarf in habit. 2 ft.

Mrs. Perry. Salmon-rose. Early-flowering.

Olympia. Vigorous grower. Flame-scarlet, overlaid with golden salmon.

Perry's White. Flowers are pure satiny white with crimson-maroon blotch at base.

Princess Ena. Apricot.

Royal Scarlet. A rich orange-scarlet with a black blotch. Striking.

Tulipa. Orange-pink flowers.

All Poppies, \$1 for 3, \$3.75 per doz.

Primula

Plants are ideal for rock-garden, flower border, and woodland plantings if situation is moist.

PRIMULA ACAULIS (PRIMROSE).

Acaulis (vulgaris). ★ True English Primrose. Yellow. 6 in. May. \$1.20 for 3, \$4.50 per doz.

Duplex. ★ Hose-in-Hose Primrose (flower within a flower). Yellow. 6 in. May. 60 cts. each, \$6.50 per doz.

Lavender Queen. ★ Fine, double, lavender flowers, produced freely. \$1.50 for 3, \$5.50 per doz.

Primula acaulis, continued

Pastel Shades. ★ A mixture containing purple, lavender, cream, buff, etc. \$1 for 3, \$3.75 per doz.

Sawco Perfection Strain, Mixed. ★ Large flowers in a variety of colors. \$1.50 for 3, \$5.50 per doz.

Queen of Heaven. ★ Stocky plants with fine blue-hued flowers. \$1.50 for 3, \$5.50 per doz.

PRIMULA ELATIOR (POLYANTHUS).

Alba. ★ White. \$1.20 for 3, \$4.50 per doz.

Crimson King. ★ Large; crimson. 9 in. May. \$1 for 3, \$3.75 per doz.

Superba. ★ The Giant Yellow Polyanthus. Handsome flowers. \$1.20 for 3, \$4.50 per doz.

Mixed Colors. ★ A vari-colored strain. Many flowers are gold-laced. \$1 for 3, \$3.75 per doz.

PRIMULA SUAVEOLENS (COWSLIP).

Officinalis, Art Shades. ★ Pastel colors in the large Cowslip. \$1 for 3, \$3.75 per doz.

PRIMULA SPECIES.

Auricula. ★ The flowers are of various colors but all have a contrasting eye. 6 in.

Beesiana. Purple flowers with a yellow eye. 2 ft.

Bulleyana Hybrids. Orange, apricot, and carmine shades. 2 ft.

Cortusoides. ★ Fine, compact variety with lavender blooms. 9 in. May.

Denticulata. ★ Rosy lilac. 1 ft. May.

Japonica, S. & W. Strain. Bright showy flowers; white, pink, copper-red, crimson, etc. 2 ft.

Above six varieties, \$1.20 for 3, \$4.50 per doz.

Sieboldi. ★ Charming decorative species. Thrives in open woodland conditions of partial shade and cool leaf-soil. 8 in. May. Splendid pot-plants for the cool greenhouse.

Rose Shades. 75 cts. each, \$8 per doz.

Pink Shades. 75 cts. each, \$8 per doz.

Wanda. ★ Forms a spreading mat. Large rich purple flowers with golden eyes. 4 in. May. \$1.20 for 3, \$4.50 per doz.

Pyrethrum roseum

Prefers a sunny situation, growing 2 to 3 feet high. The richly colored daisy-like flowers range from palest pink to deep red, with yellow centers. July.

World's Fair. Double. Delicate silvery pink. An ideal color for cut-flower and indoor decoration. \$1 each, \$11 per doz.

Florence Shadley. Double. Beautiful rose-pink. A very useful variety for florists' use and exhibition. \$1 each, \$11 per doz.

Single, Mixed. These Pyrethrums are sometimes called Painted Daisies. Very useful for cutting.

ROSMARINUS officinalis. Rosemary. An excellent evergreen shrub with gray-green, aromatic foliage and spikes of lilac flowers. 2 ft. Aug.

RUDBECKIA, Golden Glow. Rich yellow, double flowers for cutting. 6 ft. Aug.

Hirta Hybrids. Colors range from yellow, orange, brown, golden brown to terracotta tints. Very useful for cutting. These hybrids have been much admired at our Perennial Plant Farm at Farmingdale, L. I., N. Y. In flower July-Sept. \$1.50 for 3, \$5.50 per doz.

Purpurea. Purple Coneflower. 3 ft. Aug.

SALVIA azurea grandiflora (Pitcheri).

Produces clear, soft blue flowers in late summer. 4 ft.

Farinacea. Beautiful pale blue flowers. A real gem for the perennial border. 2 ft. July-Sept. \$1 for 3, \$3.75 per doz.

SANTOLINA incana. ★ Lavender Cotton. Low, spreading, silvery gray leaves and fragrant, yellow flowers. Small plants, 90 cts. for 3, \$3.25 per doz.; large plants, \$1.50 for 3, \$5.50 per doz.

Viridis. Bright green-foliaged variety with yellow flowers. 1 ft. \$1.20 for 3, \$4.50 per doz.

SAXIFRAGA cordifolia (Megasea cordifolia). ★ Will thrive in any ordinary soil. Their broad, deep green foliage makes an imposing show among rocks or grouped in front of the shrubbery.

Encrusted, Mixed. Silvery white. 1 ft. June.

Mossy. ★ Close-growing green plant. Flowers white, pink, and crimson. Foliage turns crimson in winter. 4 in. June.

Umbrosa. ★ The well-known London Pride. Flowers white and pink in May and July. Thrives in town gardens with a little shade. 1 ft.

SCABIOSA. Pincushion Flower. Broad, circular flowers on long stems for cutting.

Caucasica, Giant Hybrids. (Isaac House Strain.) Delicate lilac and mauve predominate but pure white and several dark blues also occur. 2 ft. July. \$1 for 3, \$3.75 per doz.

Sedum (Stonecrop)

These plants should be found in every rock-garden, and many are suitable for carpet bedding. Thrive almost anywhere.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Altissimum. ★ Pale yellow. 6 to 8 in. July, Aug.

Balticum. ★ 3 in. June.

Beyrichisnum. ★ Compact green rosettes with pink centers. A good carpenter.

Dasyphyllum. ★ Rose. 3 in. June.

Lydium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Foliage turns a beautiful reddish purple in the autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

Spathulifolium. ★ Rosettes of gray, club-shaped leaves. Yellow flowers in June. 2 in.

Spectabile. ★ Rose colored. 1½ ft. Aug.

Spectabile, Brilliant. ★ Improved form of the above. Rosy red. 1½ ft. Aug.

SEMPERVIVUM. Houseleek. Evergreen succulents resembling Sedums. The leaves are often brightly colored at tips.

Arachnoideum. ★ Cobweb Houseleek. Bright red. 6 in. Sept.

Globiferum. Flowers pale yellow. 1 ft. Aug.

Choice Mixed Seedlings. 9 in. Aug.

SIDALCEA candida. A charming border plant producing handsome spikes of satiny white flowers. 3 ft. July-Sept.

Stark's Hybrids. Choice strain in white, rose, and pink.

SILENE (Catchfly; Champion).

Alpestris. ★ Alpine Catchfly. Numerous dainty white flowers. 6 in. May-July.

Schafta. ★ Moss Champion; Autumn Catchfly. Very neat plant with rose-pink flowers. 6 in. July-Sept.

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★ Dwarf plants for the Rock-garden and edging the Perennial Border

Out from Its Sunned and Sheltered Nooks, the Blue Eye of the Violet Looks

SPIRÆA Filipendula (*Astilbe ulmaria*). *Goat's Beard*. Suitable for borders, damp situations, and marginal ornamental water plantings. June and July.

Filipendula alba. Creamy white flowers. 2 ft.

Davidii (*Astilbe Davidi*). Variety of vigorous habit with pale pink blooms. 3 ft.

Palmata elegans. Light pink. 3 ft.

Ulmaria fl.-pl. (Filipendula). The well-known double Meadowsweet. Creamy white flowers produced in abundance during June and July. 3 ft.

STACHYS lanata. ★ Soft silvery foliage. Spikes of purple blooms. The beauty of the plant is in the foliage. 1 ft. July.

STATICE latifolia. *Big-leaf Sea Lavender*. Very decorative. 2 ft. Aug.

Latifolia dumosa. Bluish lavender flowers which, when dried, are pure silver. 1½ ft. Aug. \$1.20 for 3, \$4.50 per doz.

Minuta. ★ A miniature Statice with pink-lavender flowers. 6 in.

STOKESIA lilacina grandiflora. A very attractive shade of silvery blue with a lilac suffusion at center. The flowers are often 5 inches across and can be cut with stems 18 to 20 inches long. \$1.20 for 3, \$4.50 per doz.

Sweet William

Few plants are more cheerful than these early summer-flowering subjects.

Auricula-eyed. A mixture of colors, all having a light-colored center. 1½ ft. June.

Pink Beauty. Best pink. 1½ ft. June.

Scarlet Beauty. Very showy and effective. 1½ ft. June.

TANACETUM crispum. *Tansy*. Compact fern-like foliage. Yellow button-like flowers. 2 to 3 ft. Aug., Sept.

TEUCRIUM Chamædryas. ★ A picturesque subshrub with glossy green foliage and bright rose flowers. 1 ft. Aug.

THALICTRUM. *Meadow-Rue*.

Adiantifolium. Foliage like the maiden-hair fern. White flowers in June. 1 ft.

Aquilegifolium. A handsome border plant. Rich mauve-purple flowers. 3 ft. June, July.

Glaucum. Heads of feathery yellow flowers. 4½ ft. July.

Minus. ★ Known as the Maidenhair *Thalictrum*. A charming dwarf plant for the rock-garden. White. 9 in.

THYMUS. ★ *Thyme*. These charming, fragrant plants give a lovely carpet effect, being of dwarf, spreading habit. They prefer a dry situation.

Azoricus. ★ Green mats with rosy flowers. 4 in. June.

Citriodorus argenteus. *Silver Lemon Thyme*. 4 in. June.

Erectus. Neat, twiggy bushes of yew-like foliage. Heads of rose-colored flowers. 1 ft. July.

Herba-barona. Purplish flowers. 6 in. June.

Lanuginosus. ★ *Woolly Mountain Thyme*. 6 in. June.

Nitidus. ★ Silvery foliage. Clear lilac-pink flowers. 9 in. June.

Serpyllum album. ★ Pure white. 4 in. June.

Serpyllum coccineus. ★ Crimson. 4 in. June.

THERMOPSIS caroliniana. Five-foot plants with yellow pea blossoms in July.

Mollis. Yellow flowers all summer. 3 ft.

TROLLIUS. *Globe Flower*. Like immense buttercups. These striking, hardy perennial plants are very effective in the mixed border.

Eleanor. A free-flowering variety. Pale yellow. 2½ ft. 60 cts. each, \$6.50 per doz.

Ledebouri. Siberian. Yellow flowers. 2½ ft. June. 60 cts. each, \$6.50 per doz.

Tritoma

Red-Hot Poker; Flame Flower; Torch Lily

Autumn Tints. Red and gold. 2½ ft. Sept.

Flaming Torch. Red, shaded yellow. 2½ ft. Sept.

Golden Thoughts. Rich old-gold flowers. 2½ ft. Sept.

Orange Glow. Deep warm orange color. 2½ ft. Sept.

Salmon Beauty. Salmon-pink. 2½ ft. Sept.

Sulphur Spire. Citron-yellow. 2½ ft. Sept.

Above varieties, \$1.50 for 3, \$5.50 per doz.

Pfitzeri. For bedding. Surpasses cannas for brilliance and gladiolus as a cut-flower. \$1 for 3, \$3.75 per doz.

S. & W. Co.'s Hybrids. Full range of colors from white to burnt orange. 90 cts. for 3, \$3.25 per doz.

VERBENA canadensis. ★ A creeping plant in bloom all summer. Purplish blue blooms. Prefers a warm, sunny location. \$1 for 3, \$3.75 per doz.

Chamædryfolia. ★ Of trailing and spreading growth, producing a continuous supply of dazzling scarlet flowers. An invaluable plant for the rock-garden or for sunny beds and borders. 3 in. May-Oct. A. M., R. H. S. \$1.50 for 3, \$5.50 per doz.

Veronica (Speedwell)

Showy and free-flowering perennials, mostly blue, native to Europe and North America.

Blue Jay. Late flowering. 3½ ft. Aug.

Filiformis. ★ Trailing evergreen. Blue flowers with white lips almost cover the foliage in early spring.

Gentianoides. ★ Pale blue flowers edged deep blue. 1 ft. June.

Incana nana. ★ Blue flowers. Silver foliage. 6 in. July.

Longifolia subsessilis. Blue. 2 ft. July.

Repens. ★ Good carpeter. During May and June is covered with light blue flowers.

Spicata. Spikes of blue blooms. Can be used to follow delphinium. 2 ft. June.

Spicata alba. A white counterpart of *Spicata*.

True Blue. ★ Clear blue spikes. 1 ft. July.

VINCA. *Madagascar Periwinkle; Old Maid*. 3-4 in. May.

Alpina. Trailing evergreen. Purple. \$1 for 3, \$3.75 per doz., \$27.50 per 100.

Minor alba. ★ Pure white. When planted through the *Vinca*, *Bowles' Variety*, like rifts of snow, you can produce a ground-cover planting in a delightful effect.

Minor, Bowles' Variety. Improved form of *Minor*. Used for ground-cover under trees and banks.



Viola, Royal Purple

Viola cornuta (Tufted Pansies)

While the flowers of the *Viola* are not so large as those of pansies, they bloom freely. Colors are clear and distinct. 6 in. April.

Apricot Gem. ★ Blends to a deep orange center.

Arkwright Ruby. ★ Burgundy-red flowers. \$1.50 for 3, \$5.50 per doz.

Avalanche. Pure white flower.

Blue Butterfly. ★ Mid-blue shading to white.

Jersey Gem. ★ Rich violet. Foliage bright green.

Royal Purple. Outstanding for its rich color. Highly recommended because of this and its long flowering period. \$1.50 for 3, \$5.50 per doz.

W. H. Woodgate. ★ Bluish mauve blooms.

Yellow Queen. ★ A pure yellow *Viola*. Very free flowering.

Viola odorata (Sweet Violet)

These hardy, cultivated *Violets* grow 6 inches and are covered with flowers in May.

Frey's Fragrant Single. ★ A real *Violet*. Ideal for picking.

A Double Lavender Violet

Marie Louise. Very large, double, lavender-blue flowers. \$1.20 for 3, \$4.50 per doz.

Rosina. ★ Dark rose-pink flowers; fragrant. \$1.20 for 3, \$4.50 per doz.

Russian Single. ★ Produces great masses of fine, large, deep purple flowers of much fragrance.

Snow Queen. Pure white flowers on long stems and very freely produced. Best white *Violet* we have introduced. \$1.20 for 3, \$4.50 per doz.

YUCCA filamentosa. ★ *Adam's Needle*. Foliage evergreen. Creamy white flowers on tall spikes 6 feet high. 1-yr., \$1 for 3, \$3.75 per doz.; 2-yr., \$1.35 for 3, \$5 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★Dwarf plants for the Rock-garden and edging the Perennial Border

Gardening without Labor—No Hoeing, Weeding or Watering

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (June 1 shipment)

For ponds; lakes, or in still pools along a river or stream, provided they are not planted in too deep water or near a cold inlet. Once established so that the crowns will not be injured by freezing, they become a source of permanent beauty. They may also be grown in tubs.

Attraction. Immense flowers, produced freely, and bright red in color. \$2.50 each.

Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$1.25 each.

Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2 each.

Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2 each.

Gladstone. Large, pure white, globular flowers. \$1.50 each.

Gloriosa. Beautiful clear red, deepening to dark red. \$2.25 each.

Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.25 each.

Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$1.25 each.

Marliac White. Waxy white flowers, with bright yellow stamens. \$1 each.

Marliac Yellow. Bright chrome-yellow flowers. \$1.25 each.

Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1 each.

Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2 each.

Tropical Water-Lilies (July 1 shipment)

These are of two distinct types: the Daybloomers, whose flowers open with the sun and close at evening, and the Nightbloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

We ship only mature potted plants, many already in flower, which will produce a wealth of bloom in a surprisingly short space of time after setting out.

Day-Blooming Sorts

Cærulea. The original blue Lotus of the Nile. Fragrant. \$1.25 each.

Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.25 each.

Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$1.25 each.

General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.25 each.

Zanzibariensis (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$1.50 each.

Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.25 each.

Night-Blooming Sorts

Devonshire. Rosy red, 8- to 10-inch flowers. Bronze leaves. \$1.25 each.

Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2 each.

Omara. Produces large flowers of a deep rose color. \$1.50 each.

Lotus

Tubers are available from May 1 to June 1, after which date we offer them growing in pots at the prices shown below, plus \$1.50. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

American Lotus (*Nelumbium lutea*). Native variety having large, cream-yellow flowers with a delightful fragrance. Tubers, \$1.50 each.

Sacred or Egyptian Lotus (*N. nucifera*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. Tubers, \$1.50 each.

Shiroman Lotus (*N. nucifera albo-pleno*). Large, globular flowers, double or with many petals of pure white. Blue-green foliage. Tubers, \$2 each.

Chinese Lotus (*N. pekinensis*). Double flowers of a rich rose-red. Tubers, \$2 each.

Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants

Purple Water Hyacinth (*Eichhornia azurea*). \$1 for 3, \$3.75 per doz.

Sweet Flag (*Acorus calamus variegata*). Variegated leaves. 75 cts. for 3, \$2.75 per doz.

Water Poppy (*Hydrocleis nymphoides*). 35 cts. for 3, \$1 per doz.

Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.

Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.

Yellow Flag (*Iris pseudacorus*). 75 cts. for 3, \$2.75 per doz.

Marsh Iris (*Iris versicolor*). 75 cts. for 3, \$2.75 per doz.

Japanese or Water Taro (*Colocasia antiquorum illustris*). \$1.35 for 3, \$5 per doz.

Japanese or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.

Egyptian Paper Plant (*Cyperus papyrus*). \$1 for 3, \$3.75 per doz.

Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.



Garden pool. Prize-winning photo submitted by E. C. Ramhorst, Tuckahoe, N. Y.

Shallow-Water Plants

Arrow-head (*Sagittaria latifolia*). Well-known native plant. 75 cts. for 3, \$2.75 per doz.

Cattail (*Typha latifolia*). \$1.25 per doz.

Floating Heart (*Nymphoides peltatum*). 35 cts. for 3, \$1 per doz.

Marsh Marigold (*Caltha palustris*). 75 cts. for 3, \$2.75 per doz.

Parrot Feather (*Myriophyllum proserpina-coides*). 35 cts. for 3, \$1 per doz.

Pickereel Rush (*Pontederia cordata*). 75 cts. for 3, \$2.75 per doz.

Floating Plants

Azolla (*Azolla caroliniana*). 35 cts. per portion.

Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.

Duck Weed (*Lemna minor*). A good fish food. 25 cts. per portion.

Salvinia (*Salvinia graziliensis*). 25 cts. per portion.

Water Lettuce or Shell Flower (*Pistia stratiotes*). 50 cts. for 3, \$1.75 per doz.

Water Hyacinth (*Eichhornia crassipes major*). 35 cts. for 3, \$1 per doz.

Submerged Plants (Oxygenating)

Sagittaria guayanensis. \$1.50 for 3, \$5.50 per doz.

Sagittaria sinensis. 35 cts. for 3, \$1 per doz.

Vallisneria. 60 cts. per doz.

Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.

Anacharis, Cabomba (Fanwort; Fish-Grass),

Milfoil (*Myriophyllum*), **Ludwigia**.

Above 4, 3 bunches for 35 cts., doz. bunches \$1

UNDERWATER PAINT for pools and swimming tanks. Robin's-egg blue. Qt. \$1.75, gal. \$5.

COLLECTIONS OF WATER PLANTS

SUBURBAN POOL COLLECTION. \$8.

Suitable for a pool about 30 square feet in area. One each: Water-Lily, *Gloriosa* (red), *Cærulea* (blue), and *Pink Opal*. Also the following aquatic plants:

5 plants for a centerpiece or background	3 floating plants
12 plants for corners or margins	3 submerged plants

JUNIOR POOL COLLECTION. \$1.50.

To start your pool: 1 *Pink Opal* Water-Lily and 6 aquatic plants, including floating, submerged, and shallow-water or bog plants.

COMPLETE TUB GARDEN. \$6.

Consists of one Cedar Tub, 2 feet in diameter and 1 foot deep, also:

- 1 Water-Lily, *Gloriosa* (beautiful red).
- 6 Assorted floating, submerged, and shallow-water or bog plants.

Aprons, Bird-Houses, Flower Boxes, Baskets, Rubbish Burners, Etc.

Aprons, Garden

Blue Denim. With Bib. \$2.00.
Duck. With Bib. \$2.25.
Rubber. With Bib. \$3.50.

Bird-Houses, Log-Cabin

No.	Type	Families	Each
No. 1.	Log-Cabin.....	1.....	\$3 00
No. 2.	Log-Cabin.....	2.....	3 75
No. 3.	Log-Cabin.....	2.....	4 50
No. 4.	Colonial.....	2.....	7 00
No. 5.	Colonial.....	4.....	8 50
No. 6.	Hexagonal.....	2.....	4 50
	Bird-Shelters.....		3 50

Blue Martin House. Hexagonal . . . 25 00
8-ft. pole, \$6 extra.

Bird Seed

WILD BIRD SEED MIXTURE. A special mixture of bird seed especially adapted to wild life. Lb. 20 cts., 5 lbs. 90 cts., 25 lbs. \$4, 100 lbs. \$14.

MIXED CANARY SEED. Recleaned. Consists of canary seed, rape, millet, and hemp. Lb. 15 cts., 5 lbs. 65 cts., 100 lbs. \$11.50.

SHEPHERD SONG-RESTORER. A treat for canaries. 4-oz. bottle 25 cts.



A. Fruit and Vegetable Hamper

1-bus. size. 21 x 12 x 12 in. deep.....\$6 50
1½-bus. size. 24 x 17 x 11 in. deep.... 7 00
2-bus. size. 24 x 17 x 13 in. deep..... 8 00

B. Bamboo Basket

½-bus. size...\$1 75 | Bus. size.....\$2 25

C. General-Purpose Basket

1-bus. size....\$2 00 | 2-bus. size....\$3 00
1½-bus. size.. 2 50 | 3-bus. size.... 4 00

D. Gardeners' Baskets

No. 1. 20½ x 13½ x 7 in. deep.....\$2 50
No. 2. 23 x 14½ x 8 in. deep..... 3 00
No. 3. 24 x 15½ x 9 in. deep..... 3 25

E. Picking Basket

¼-bus. size...\$1 50 | ½-bus. size...\$2 00

F. English Garden Baskets

No. 1. 16 x 8 x 4½ in.....\$3 00
No. 2. 20 x 10 x 4½ in..... 3 50

G. Flower and Fruit Baskets

No. 1. 13 x 13 x 3½ in. deep.....\$1 00
No. 2. 20 x 12 x 3½ in. deep.... 1 25
No. 3. 22 x 14 x 3½ in. deep..... 1 50

Fruit Baskets

	(Not Illustrated)	100	1000
Strawberry. 1-qt. size.....	\$2 50	\$12 00	
Peach. 2-qt. size.....	3 50	20 00	
3-qt. size.....	4 00	25 00	
4-qt. size.....	4 50	27 00	

Boxes for Cut-Flowers

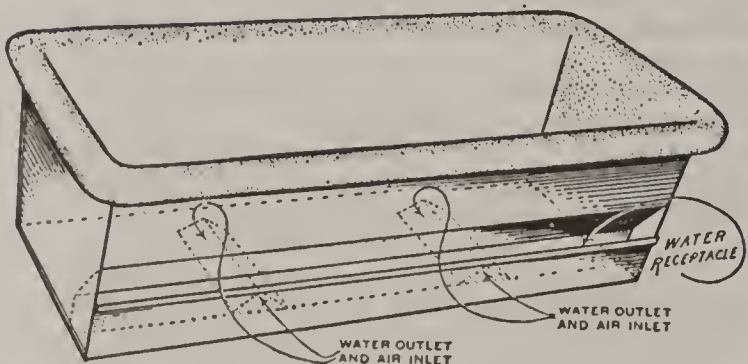
Cardboard, Flower. Ivy green; lock corners.

No.	Size	Doz.	100
No. 1.	18 x 5 x 3 in. deep....	\$1 50	\$6 00
No. 2.	21 x 7 x 3½ in. deep..	2 00	7 50
No. 3.	24 x 8 x 5 in. deep....	2 75	12 00
No. 4.	28 x 8 x 5 in. deep....	3 25	13 50
No. 5.	36 x 8 x 5 in. deep....	4 00	17 00
No. 6.	36 x 10 x 6 in. deep....	5 00	22 50

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

No.	Size	Doz.	100
No. A.	20 x 7 x 4 in. deep..	\$2 00	\$12 00
No. B.	28 x 8 x 5 in. deep..	2 50	15 00
No. C.	30 x 12 x 6 in. deep..	4 25	23 00
No. D.	36 x 12 x 6 in. deep..	4 75	25 00
No. E.	36 x 14 x 8 in. deep..	5 25	27 00
No. F.	48 x 14 x 8 in. deep..	6 00	32 00

Window-Boxes



Made of galvanized sheet metal. Painted green.

Size	Each
24 x 8½ x 6¼ in. deep.....	\$1 50
30 x 8½ x 6¼ in. deep.....	2 00
36 x 8½ x 6¼ in. deep.....	2 75
42 x 8½ x 6¼ in. deep.....	3 25
48 x 8½ x 6¼ in. deep.....	3 75

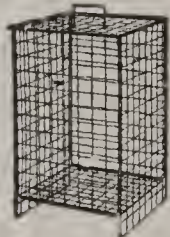
Brackets for attaching Boxes on or below window-sill, \$1.00 per pair.

Burners for Leaves, Paper, and Rubbish

Sawco All-Steel Burner

A portable incinerator. Made of strong angle iron and heavy steel expanded metal netting which is fire-proof and guaranteed not to burn out for years.

No.	Capacity	Size of Top	Depth	Each
No. 1.	16 cu. ft.	36 in. x 48 in.	24 in.....	\$45 00
No. 2.	11 cu. ft.	30 in. x 40 in.	21 in.....	40 00



Portable Burner

This knock-down Burner is a safeguard against fires that originate in the burning of rubbish in the open.

No.	Square	Height	Each
No. 1.	15 in.	22 in.....	\$3 00
No. 2.	17 in.	29 in.....	4 00



Wire Leaf Rack

A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. It is made of galvanized wire bolted to a wooden base; capacity about 10 bushels. Price, Rack only, \$10; Rack and Barrow, \$19.



Galvanized Burner

Perforations on all sides, top and bottom, and raised on heavy metal legs. Equipped with iron drop handles.

No.	Diameter	Height	Each
No. 1.	18 in.	28 in.....	\$5 00
No. 2.	20 in.	28 in.....	6 00

Sawco Stump Incinerator

A well-made cement composition Incinerator for the home, country, or estate. Height 36 inches, diameter 18 inches. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. \$13.50.



Stump Incinerator



Galvanized Burner

Burlap, Cultivators, Distributors, Wheelbarrows and Fence

Bulb Planter



The tapered cup removes soil and makes a perfect planting-hole in one operation. Can be used in the small garden or large estate.

Junior, 50 cts. each; Senior, long handle: stooping unnecessary (not illustrated), \$4.50.

Burlap

Natural color in bolts of approximately 100 yards. Per yd.

36 in.	\$0 15
48 in.	17
60 in.	20

In lots of 500 yds. or more deduct 3 cts. per yd. from above prices; less than 100 yds., add 3 cts. per yd.

Green color in bolts of 50 yards. Per yd.

35 in.	\$0 25
48 in.	35

Cultivators, Planet Jr.



NO. 16 SINGLE WHEEL CULTIVATOR.

Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$9.

NO. 17½ SINGLE WHEEL CULTIVATOR.

Consists of 1 pair of 6-in. Hoes and 3 Cultivator Teeth. \$7.

NO. 17 SINGLE WHEEL CULTIVATOR.

Comprises 1 pair of 6-in. Hoes, 1 Plow and Cultivator Teeth. Sufficient for most garden work. \$8.

NO. 12 DOUBLE WHEEL CULTIVATOR.

A Single and Double Wheel Cultivator in one. Used as a Double Wheel Hoe, it straddles crops until they are 20 inches high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$11.50.

NO. 119 HIGH WHEEL CULTIVATOR.

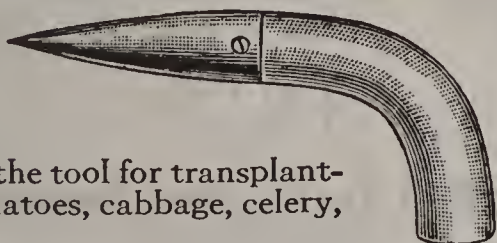
Single Wheel. Has a special 24-inch steel wheel. The outfit consists of one 1½-in. Cultivating Tooth, 1 4-in. Cultivating Tooth, 1 Plow, and 1 Reversible Scuffle Blade. \$4.50. Special Fertilizer Attachment No. 215 for No. 119 Planet Jr. for side dressing or drilling. \$6.50.

FIRE FLY GARDEN PLOW.

It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. Furrow may be deepened by going a second time along the row. \$4.50.

See page 104 for Planet Jr. Seeders

Dibbles or Dibbers



Just the tool for transplanting tomatoes, cabbage, celery, etc.

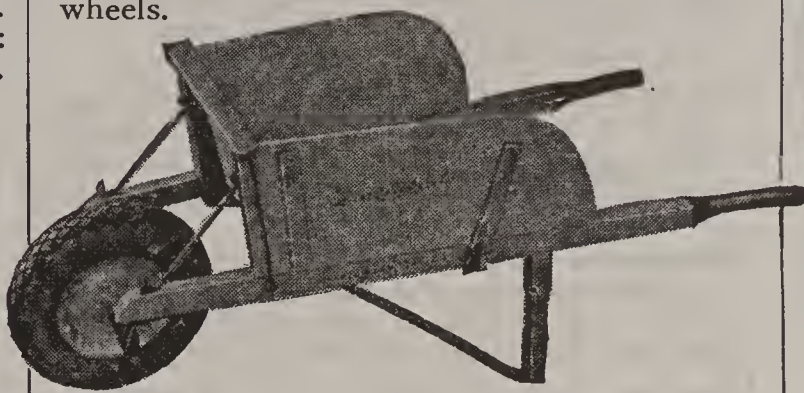
Brass Point, Wood Handle. The best

Dibber. Self-cleaning; does not rust. \$1.25.

Steel Point, Wood Handle. Regular size, 9¾ in., 85 cts.

Sawco Garden Barrow

Constructed of selected, clear-grained hardwood and finished in the natural wood, varnished, they are made light and substantial for long service. All Barrows except No. 2 with either steel or pneumatic-tired wheels.



	Front Width	SIZE OF BOX		Rear Width	Tread
		Depth	Length		
No. 2	15½ in.	9 in.	21 in.	18 in.	1½ in.
No. 4	18½ in.	12 in.	26½ in.	23 in.	3 in.
No. 5	20 in.	12 in.	28 in.	24 in.	3 in.

With Steel Wheel: No. 2, \$7.50; No. 4, \$9; No. 5, \$9.50.

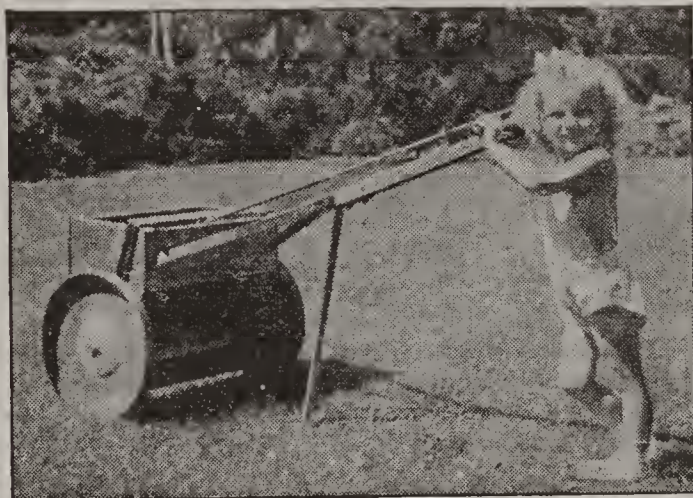
With Pneumatic-Tired Wheel: No. 4, \$17.75; No. 5, \$18.

Masters Dump Cart (Not illustrated)

Better than a wheelbarrow. Ideal for hauling heavy loads of earth, fertilizer, and shrubbery. Capacity, 3 cubic feet. All steel, strongly built, welded together with heavy angle iron frame. Cart is 20 inches wide, 24 inches long, 12 inches deep. Diameter of wheels, 14½ inches. \$11.75.

DISTRIBUTORS

Planter's Perfect Distributor



Planter's Perfect Distributor is easy to push. Prize-winning photo submitted by Horace Montgomery, Summit, N. J.

Distributes fertilizers, grass seed, and top-dressing. It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown.

18-in. width.....	\$12 00
24-in. width.....	17 00
36-in. width.....	23 75

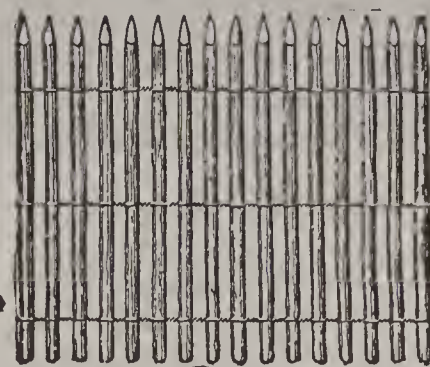
Warren-Church Spreader



Will handle fertilizer or grass seed accurately in any desired quantity. A positive agitator keeps the material flowing evenly while a convenient lever and shut-off gate regulates the quantity. Spreads 14 inches. \$7.

FENCE

Cleft Chestnut Fencing



Rough split chestnut, spaced 1 inch apart. Roll 16 feet long and in three heights. Gates to match.

	Plain Per lineal ft.	With Posts and Rails Per lineal ft.
3 ft., 10 in. high.....	\$0 85	\$1 10
4 ft., 11 in. high.....	1 05	1 30
6 ft., 6 in. high.....	1 30	1 65
	3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high.....	\$14 25	\$28 50
4 ft., 11 in. high.....	15 50	33 00
6 ft., 6 in. high.....	16 50	37 50

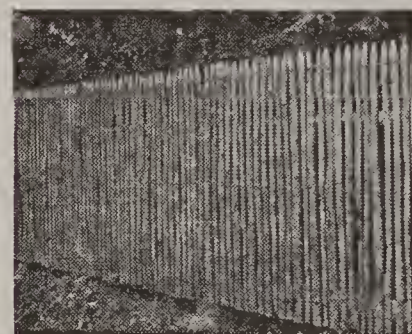
Dubois Woven Wood Fence



Made of split chestnut. Comes in sections 5 feet long and five heights. Gates to match.

	Plain Per lineal ft.	With Posts and Rails Per lineal ft.
Dubois Woven Wood Fence in a city penthouse garden		
3 ft., 10 in. high.....	\$1 35	\$1 60
4 ft., 11 in. high.....	1 65	1 95
6 ft., 6 in. high.....	1 90	2 25
8 ft. high.....	2 45	2 85
10 ft. high.....	2 80	3 25
	3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high.....	\$19 25	\$38 50
4 ft., 11 in. high.....	21 00	41 25
6 ft., 6 in. high.....	23 25	44 00

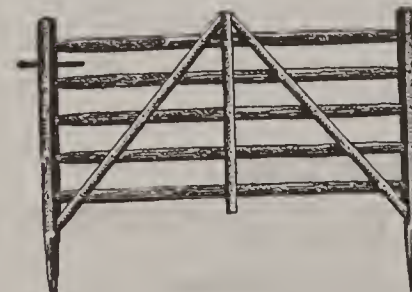
Warren-Church Cedar Fence



Made of split cedarpolesspaced ¾ inch apart. Furnished in rolls 16 ft. long. Gates to match.

	Per lineal ft.	3½ ft. wide Walk-Gates	10 ft. wide Double-Driveway Gates
3 ft. high..	\$0 70	\$7 75	\$15 00
4 ft. high..	75	9 00	17 75
5 ft. high..	95	10 50	20 00
6 ft. high..	1 20	11 25	23 75

English Type Hurdle Fencing



Made of split chestnut sections 8 feet, 3 inches long. Height of Fence when set, 4 feet. Gates to match.

	Each
4-bar Hurdles.....	\$3 75
5-bar Hurdles.....	4 00

Steel Edging, Forks, Gloves, Glazing Materials, and Hoes



Sawco Steel Edging

Has welded pockets at 3-foot intervals, through which stout 18-inch stakes are driven to hold the edging in place. Gives a smooth, unbroken appearance to the lawn. Standard length, 19 ft., 4 in.; thickness $\frac{3}{8}$ in. Painted green. 3 in. wide, 85 cts. per ft.; 5 in. wide, 90 cts. per ft. Galvanized, 3 in., \$1.10; 5 in., \$1.25.

60 to 100 ft., deduct 20 cts. per ft.
100 to 240 ft., deduct 25 cts. per ft.
240 to 1000 ft., deduct 27 cts. per ft.
For broken lengths and special bending, add 10 cts. per foot.

FORKS



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-tine, D-Handle.....\$2 00

5-tine, D-Handle.....2 75

Long-Handle Forks, same price.

Manure Forks. Best grade; oval tines.

4-tine, D-Handle.....2 00

5-tine, D-Handle.....2 25

6-tine, D-Handle.....2 75

Long-Handle Forks, same price.

English Type Digging Forks.

4-tine, D-Handle.....2 75

Hay Forks. 3-tine, Long Handle.....1 75

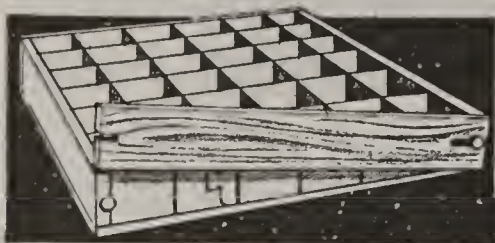
Boys' Spading Forks.....1 25

Gem Hand Fork



Has three steel prongs and finished handle. A handy Fork for loosening the soil, etc. 50 cts.; with 4-ft. handle, \$1.25.

Garden Flats



B-B Plant Flats. 12 $\frac{3}{8}$ in. x 12 $\frac{3}{8}$ in. x 2 in. deep. Patented removable side. Complete with 36 2-inch square paper-pots. 85 cts. each, \$9.35 per doz.

Sawco Plant Flats. Made of select cypress. Set-up. Size 12 x 18 x 3 in. deep. 45 cts. each, \$4.95 per doz.

Garden Line

Best Braided Hemp. 100 ft., one length, \$2.25; 200 ft., one length, \$4.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.

No. 2. Holds 600 ft. \$2.50.

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Comes in rolls 3 feet wide. 13 $\frac{1}{2}$ cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box.

10 x 12-in., 60 lights, \$6.75 per box.

10 x 14-in., 40 lights, \$7.25 per box.

Liquid Putty, Old English. Can be applied with bulb or gun. Weatherproof. Does not crack. One gallon will glaze 400 square feet of glass. Gal. \$2.75, 5 gals. \$12.50.

Permanite. A glazing compound composed of asbestos fiber and long-life, non-drying oils. Gal. \$2.50, 5 gals. \$12, 15 gals. \$33.75, 35 gals. \$73.50, 60 gals. \$120.

Mastica. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$3, 5 gals. \$14.

Sawco Glazing Gun. Trigger type. For applying glazing compounds. \$5.50.

Putty Bulb, Scollay's. For applying liquid putty. \$1.50.

Glazing Points, Van Reyper's. For single- and double-thick glass. 75 cts. per 1000, \$3.25 for 5000. Pliers 75 cts.

Zinc City Glazing Points. In $\frac{5}{8}$, $\frac{3}{4}$, and $\frac{7}{8}$ in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Summer Cloud. A green shading. Mix with water and apply with syringe or sprayer. 8-oz. tin \$1.

Green Shading. Protects plants from heat of sun. Brush or sprinkle on. Lasts about six months. Gal. \$3, 5 gals. \$13.75.

Greenhouse Aluminum Paint. Moisture-resistant, gives greater light-reflection. Gal. \$4, 5 gals. \$18.75.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$3.75, 5 gals. \$17.



Gloves

Horsehide Garden Glove.

For general garden or household use. Sizes 7, 8, 9, and 10. \$2.25 per pair, with Gauntlet; \$1.75, without Gauntlet.

Genuine Oil-tanned Dogskin Garden Glove. With long wrist, that comes well up on the arm. Soft and pliable. Sizes 6 $\frac{1}{2}$, 7, 8, 9, and 10. \$2.75 per pair.

Eazy-Wear Garden Glove. Economical, dirt-proof, soft as kid. Washable. Sizes 6, 7, 8, 9, and 10. 75 cts. per pair.

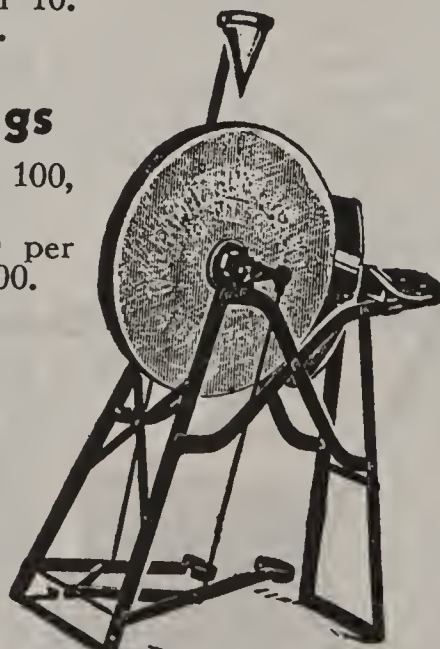
Grape Bags

Opaque. \$2 per 100, \$18 per 1000.

Glassine. \$3.50 per 100, \$32 per 1000.

Cycle Steel-Frame Grindstone

The stone is 19 inches in diameter and 2 inches thick. Weighs about 85 pounds. \$13.50.



Cycle Steel-Frame Grindstone

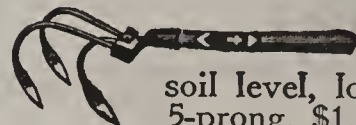
HOES



Narrow Nursery Hoe

Extremely narrow Hoe designed for use in closely planted areas. \$1.25.

Norcross Cultivator Hoe



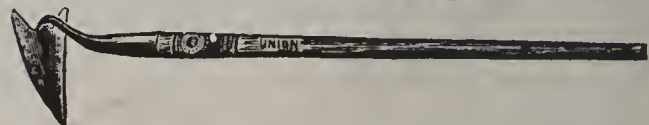
They destroy weeds, leave the soil level, loose, and untrampled. 5-prong, \$1.50; 3-prong, \$1. Mid-get, short handle, 60 cts.

Gardex Pull Hoe



Does weeding and cultivating in one operation. No tire-some back-breaking, chopping motion. Drawn through the soil with an easy pulling motion. 4 in. wide, \$1.25; 5 $\frac{1}{2}$ in. wide, \$1.50.

Warren or Heart-shaped Hoe



The best Hoe for making drills, covering, hoeing, and weeding.

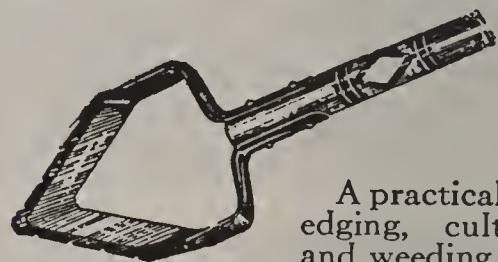
Each
Small size. 4-ft. Handle.....\$1 25
Medium size. 4-ft. Handle.....1 50
Midget, short handle.....85

"Speedy" Cultivator Hoe



The prongs get right down to work in loosening soil and breaking crust. Ideal for weeding. 3-prong, \$1.25; 4-prong, \$1.50.

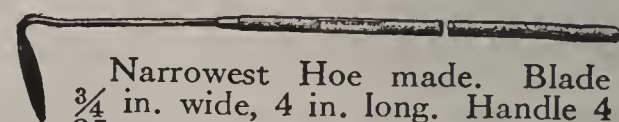
Diamond Point Push Hoe



A practical tool for edging, cultivating, and weeding. Each

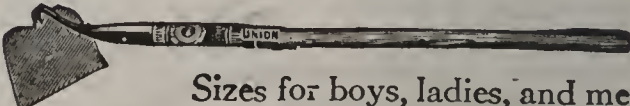
6-in., 54-in. handle.....\$1 75
6-in., 66-in. handle.....1 85
8-in., 66-in. handle.....2 00

Handy Hoe



Narrowest Hoe made. Blade is $\frac{3}{4}$ in. wide, 4 in. long. Handle 4 ft. 85 cts.

Draw or Garden Hoe



Sizes for boys, ladies, and men.

Each
5-in.....\$1 10 | 7-in.....\$1 50
6-in.....1 35

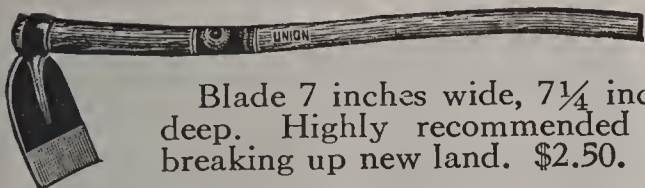
English Scuffle Hoe, Imported

(Not Illustrated)

Each
4-in.....\$1 35 | 7-in.....\$1 65
5-in.....1 45 | 8-in.....1 75
6-in.....1 55 | 9-in.....1 85

Grass Hooks, Scythes, Hose Nozzles and Hose Accessories

Hoes Grape Hoe



Blade 7 inches wide, 7¼ inches deep. Highly recommended for breaking up new land. \$2.50.

Square-Top Hoe



Will penetrate an inch or so, cutting off young weeds and forming light mulch to conserve moisture. \$1.25.

Magic Weeder Hoe



Style "A." 3 tines; 5¼-in. handle. 25 cts.
Style "D." 4 tines and hoe attachment; 5¼-in. handle. 50 cts.
Style "BB." 3 tines; 36-in. handle. 50 cts.
Style "F." 4 tines; 42-in. handle. \$1.

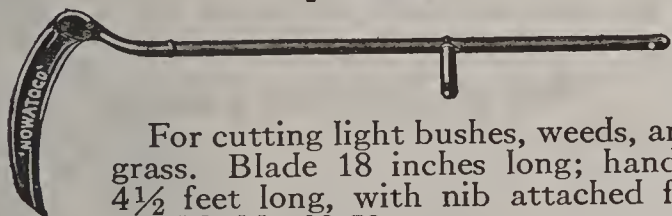
HOOKS

Little Giant Bush-Hook



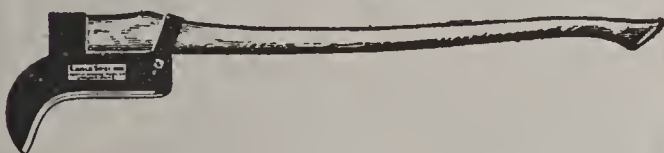
A combination bush-hook and axe. Heavy-duty tool for exceptionally heavy work. \$3.50.

Scythook



For cutting light bushes, weeds, and grass. Blade 18 inches long; handle 4½ feet long, with nib attached for hand-hold. \$2.50.

Earle Special Bush-Hook



A Bush-Hook only. It is ideal for heavy work. \$3.

Grass Hooks



Warren-Church. Good quality. 75 cts.

Imported English. Heavy riveted back, thin cutting blade. Medium, \$1.50; Large, \$1.75.

Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50.

Grass Shaver. Uses any double-edge razor blades. Price complete, with Blades, \$1.25.

Berry or Thinning Hook



For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$1.25.

Scythes



Bush Scythe. Slightly heavier and shorter than a grass-hook; 18 inches long. Especially used for heavy growth where ordinary scythe is not practical. \$2.25.



Imported English. Has a riveted back and broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc.

32-in. Medium.....\$3 50

34-in. Large Medium.....3 75

36-in. Large.....4 00

Domestic. Cutlery steel, natural oil finish, cutting edge, web and backs polished.

32-in. Medium.....\$2 75

36-in. Large.....3 00

Scythe Snath or Handle. The very best, with patent socket. \$2.50.

Graswip

The new, double-edged, long-handled Grass Cutter. Easiest way to cut long grass. Use it like a golf club. Cuts rapidly on both the forward and backward swing. Shaft 37 inches long. \$1.25.

Graswip

Scythe Stones



Scythe Stones, Genuine English. Round, tapering. 35 cts.

Unbreakable Radiac. 30 cts. each, \$3.25 per doz.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.75 per doz.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., \$1.50.

Hose Clamps or Bands. ½- and ¾-in. sizes, 10 cts. each, \$1.10 per doz.

Regular Hose Couplings. Easily applied. ½- and ¾-in., 30 cts. each, \$3.25 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. ½- and ¾-in., 40 cts. each, \$4.50 per doz.

Snaptite Coupling. A spring-snap instantly adjustable Coupling. Can be used on faucet or between lengths of hose. One of the best. 85 cts. each, \$9.25 per doz.

Perfect Clincher Hose Mender. ½- and ¾-in. sizes, 15 cts. each, \$1.65 per doz.

Cooper's Brass Hose Mender. No fasteners required. ½- and ¾-in., 20 cts. each, \$2.25 per doz.

Hose Shutoff. Made of brass. Used between lengths of hose or on end of hose. ¾-in., \$1.35.

Gooseneck Swivel. Prevents kinking; turns all ways. 75 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.

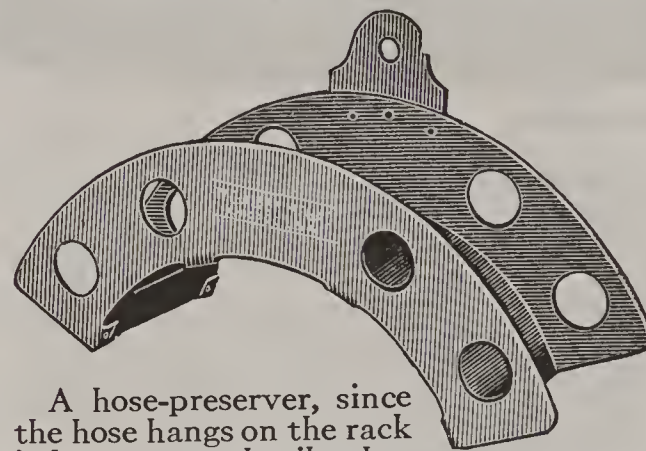
Evertite Hose Coupling



No threads. No leaks. No kinks.

Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 60 cts. each, \$6.50 per doz.

Goldsmith Hose Rack



A hose-preserver, since the hose hangs on the rack in large, natural coils, thus preventing kinking and twisting. \$1.50.

Hose Nozzles

Florist Nozzle. Cast brass; 4 inches round. ¾-inch connection. Delivers a fine rain. \$1.75.

Stott's. Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; Double, \$3.50.

Justrite. Gives a copious spray or full stream. 65 cts.

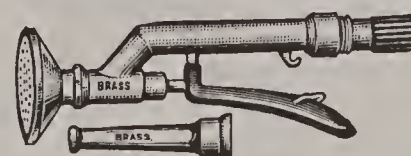
Bordeaux. For whitewash and all heavy spray materials. \$1.25.

Water Gun. Adjustable from fine to full stream. Comes with brass spike for setting in ground as sprinkler. No leakage or drips. \$2.

Flaring Rose Hose Sprinkler

Ejects a fan-like gentle spray. For watering seedlings and newly planted grass-plots. Stamped brass, 65 cts. each; cast brass, with shutoff, 90 cts.

Aquamatic Nozzle



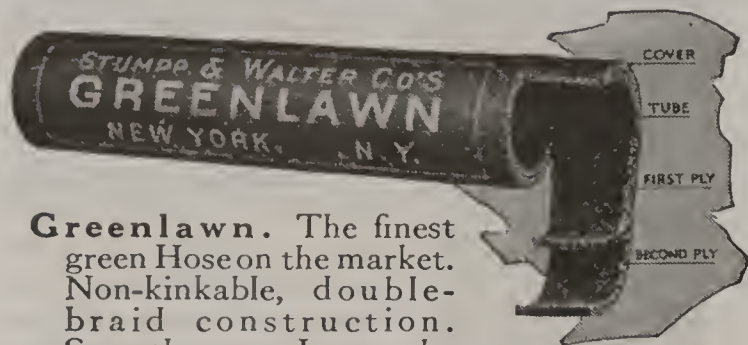
Gives solid stream or spray. A positive quick shutoff. No leaks or drips. Made of cast brass. Furnished with 3-inch brass rose. \$2.75.

Hose Holders

Adjustable Hose-Stick. Holds all size Hose securely. Ball and socket joint permits adjustment to any direction. Made of cadmium plated steel. Height, 24 in. \$1.
Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits ½-, ⅝-, and ¾-in. Hose. 45 cts.

Hose, Reels, Knives, Garden and Pot Labels

HOSE



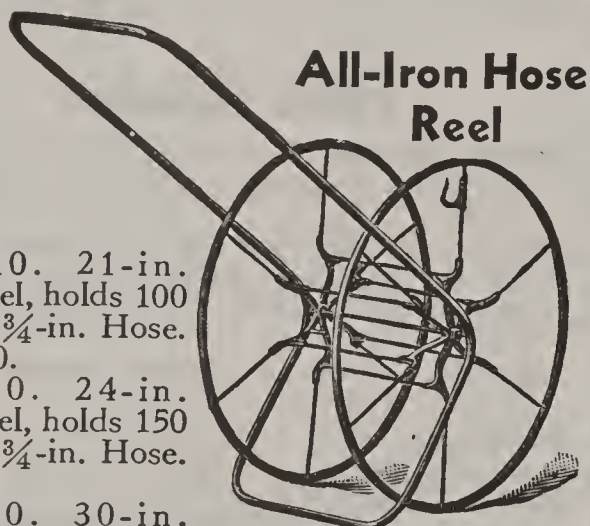
Greenlawn. The finest green Hose on the market. Non-kinkable, double-braid construction. Smooth cover. Inner tube and outside cover made of the finest rubber obtainable. Pure gum rubber used between the braids. $\frac{3}{4}$ -in. bore, 25 ft. \$6.50, 50 ft. \$12, 100 ft. \$22.50. 1-in. bore, 25 ft. \$8, 50 ft. \$15, 100 ft. \$26.50.



Wayahead. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. $\frac{3}{4}$ -in. bore, 25 ft. \$4.50, 50 ft. \$8, 100 ft. \$14.

Electric, Black Corrugated Hose. Good quality. $\frac{3}{4}$ -in. bore, 25 ft. \$6.50, 50 ft. \$12, 100 ft. \$22.50. $\frac{1}{2}$ -in. bore, 25 ft. \$5.50, 50 ft. \$10, 100 ft. \$18.50.

Spray Hose. High pressure. Good quality. $\frac{3}{8}$ or $\frac{1}{2}$ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.



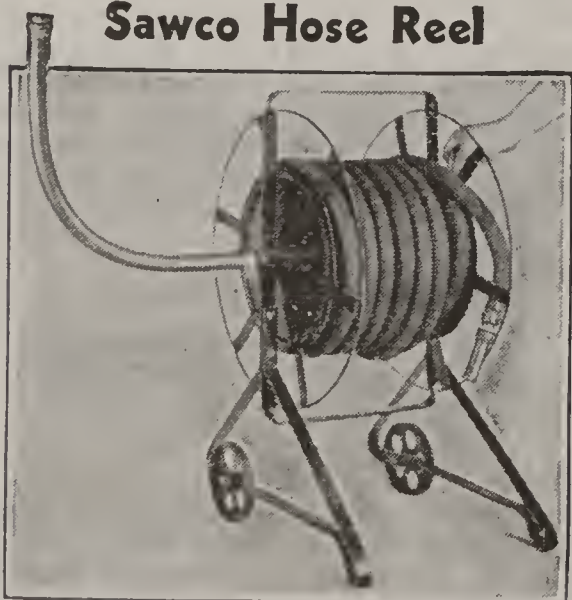
All-Iron Hose Reel

No. 10. 21-in. Wheel, holds 100 feet $\frac{3}{4}$ -in. Hose. \$5.50.

No. 20. 24-in. Wheel, holds 150 feet $\frac{3}{4}$ -in. Hose. \$6.

No. 30. 30-in. Wheel, holds 500 feet $\frac{3}{4}$ -in. Hose. \$11.50.

Sawco Hose Reel

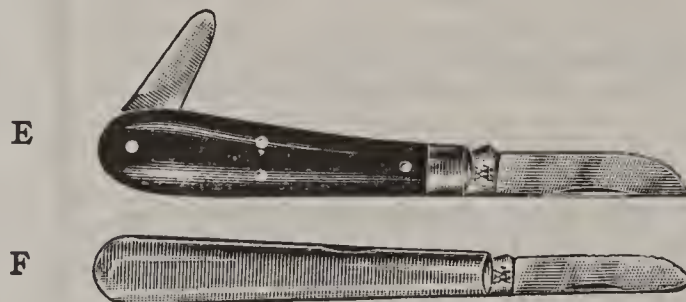


The great advantage of the Sawco Hose Reel is that it is placed alongside of the faucet and the reel is attached to it by a short length of hose (about 3 or 4 feet). All that is necessary then is to uncoil only the length of hose you require to use. Wind it back on the reel with the crank when you have finished using it.

Capacity of reel—100 feet of $\frac{3}{4}$ -inch hose. Reel, without hose, \$6.50.

KNIVES

Budding and Pruning



- No. 1. Strong Pruning Blade; Cocoa Handle.....\$1 50
- No. 3. Pruning and Budding Blades; Patent Stag Handle..... 2 25
- No. A. Two Blades; White Handle... 2 25
- No. B. Budding Blade with Ivory Budder; Smooth Black Handle.... 2 00
- No. C. Two strong Budding Blades; White Handle..... 1 75
- No. D. Aluminum Handle Budding Knife. Imported. One Blade..... 2 50
- No. E. Folding Ivory Budder with Smooth Black Handle. Imported. One Blade..... 3 00
- No. F. Genuine All-Ivory Handle Budding Knife. Imported. One Blade.. 6 00
- Warren-Church Budder and Pruner.** Two Blades; Black Handle; Brass lined. Highest quality..... 2 00
- Kunde One-blade Budder.** Imported. Wooden Handle..... 2 00
- Kunde Budder and Pruner.** Imported. Two Blades; Polished Wooden Handle..... 3 00

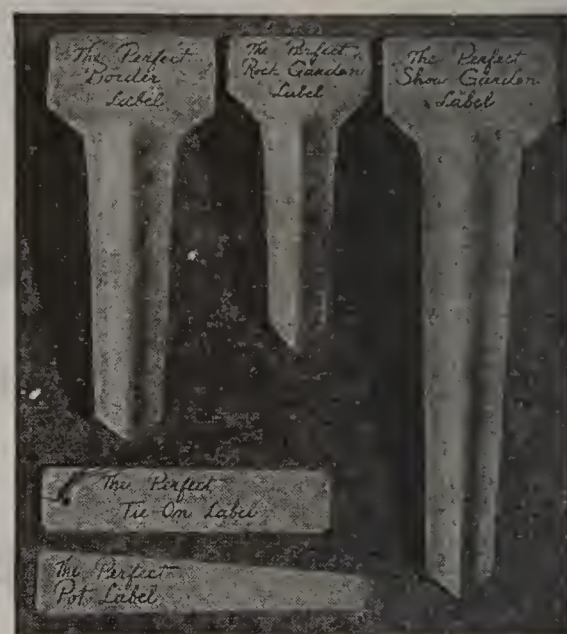
Asparagus Knives



Straight Edge. 45 cts.
V-Shaped. 50 cts.

LABELS

Perfect Garden Labels



Ordinary lead-pencil markings on this Label are permanent without any protection, in all weathers, all soils, all seasons, above or under the soil. *Inconspicuous*—the beautiful color blends with plants, soil, and rocks. *Economical*—the markings can be erased with pencil eraser and marked again.

Rock-Garden. Face, $1\frac{3}{4} \times \frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2×1 inches; length, 6 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2} \times \frac{3}{4}$ inches. 75 cts. per doz., \$1.50 for 25, \$3 per 100.

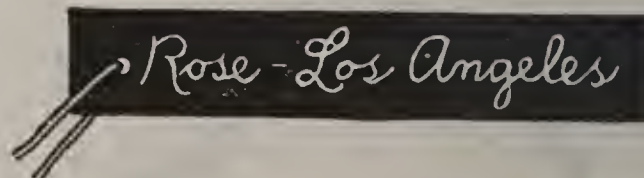
Show Garden. Face, $2 \times 1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, $4 \times \frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$2.50 per 100.

Pot or Garden Labels

Wooden, Painted.	100	1000
4-in.....	\$0 45	\$2 50
5-in.....	55	3 50
6-in.....	65	4 00
8 x $\frac{7}{8}$ -in.....	1 00	7 00
10 x $\frac{7}{8}$ -in.....	1 50	8 00
12 x $1\frac{1}{8}$ -in.....	1 60	10 50
Copper-wired. $3\frac{1}{2}$ -in. Painted	50	3 25
Label Pencils. To write on wood labels. 15 cts. each, \$1.65 per doz.		
Indelible Ink. Bottle 50 cts.		
X-L-All Pencil. (Imported.) 35 cts. each.		

Green Weatherproof Labels



Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base, producing a very beautiful effect of white lettering on a dark green background. Prices include Copper Wires for attaching and Steel Stylus for marking.

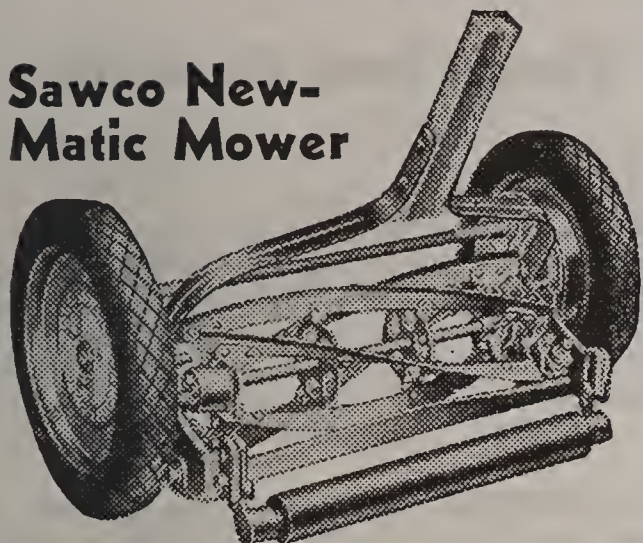
	Doz.	100
No. 31. $3 \times \frac{1}{2}$ -in.....	\$0 40	\$2 50
No. 32. $4 \times \frac{3}{4}$ -in.....	60	4 00

Rock-Garden. For use where the wired or stake type of Label is not appropriate. They are inconspicuous, but the writing is unusually distinct and permanent. Prices include Stylus for marking.

	Doz.	100
No. 51. $4 \times \frac{5}{8}$ -in.....	\$0 45	\$3 00
No. 52. $5 \times \frac{3}{4}$ -in.....	70	4 50

Power and Hand Lawn Mowers, Trimmers and Edgers

Sawco New-Matic Mower



Quiet, easy-running Mower.

Equipped with 2½-in. Pneumatic Tires. Has 5 heat-treated Steel Blades. 16 in., \$21; 18 in., \$23. Grass Catcher, 16 in., \$1.75; 18 in., \$2.25.

Warren-Church Mower



An honestly built Lawn Mower with hard, molded Rubber Tires that will not slip off. Has 10-inch Ball-bearing Wheels; 5 Blades; 16-in. cut, \$11.75. Grass Catcher, \$1.75 extra.

Estate Roller Mower



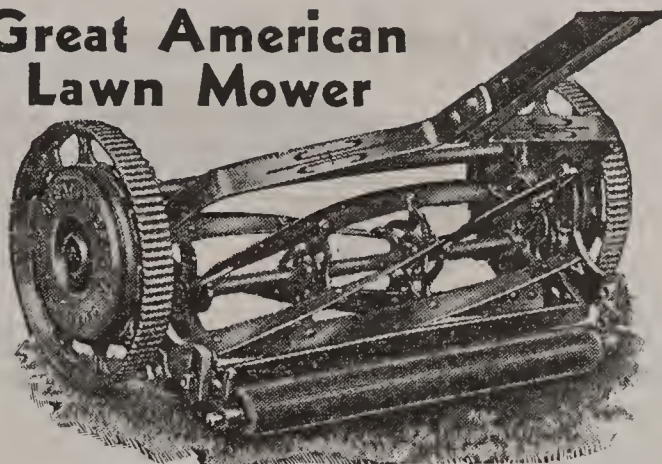
A well-constructed Roller-driven Mower. Trims very close to flower-beds and obstructions. Rubber-covered traction Roller. 20-in. cut, with metal Grass Catcher. \$170 00
24-in. cut, with wire Grass Catcher. 345 00
30-in. cut, with wire Grass Catcher. 382 50

Yankee Clipper Mower

(Not Illustrated)

A combined Mower and Roller. 5 cutting blades. Easily regulated to cut any desired height from ½ to 2½ inches. Entire 21-inch cutting blade cuts grass. No waste on edges. Ideal for borders or wherever grass is close to other plants or vegetation. Eliminates a lot of hand trimming. Cutting unit easily lifted to use machine as a roller. Throttle on handle regulates speed. \$225.

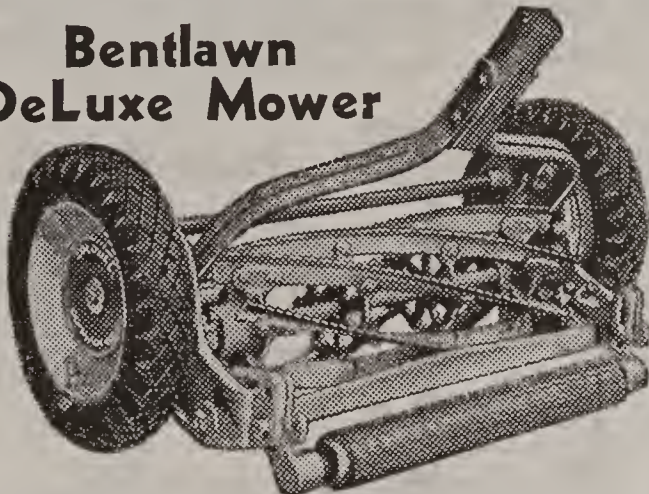
Great American Lawn Mower



Reliable heavy-duty machine.

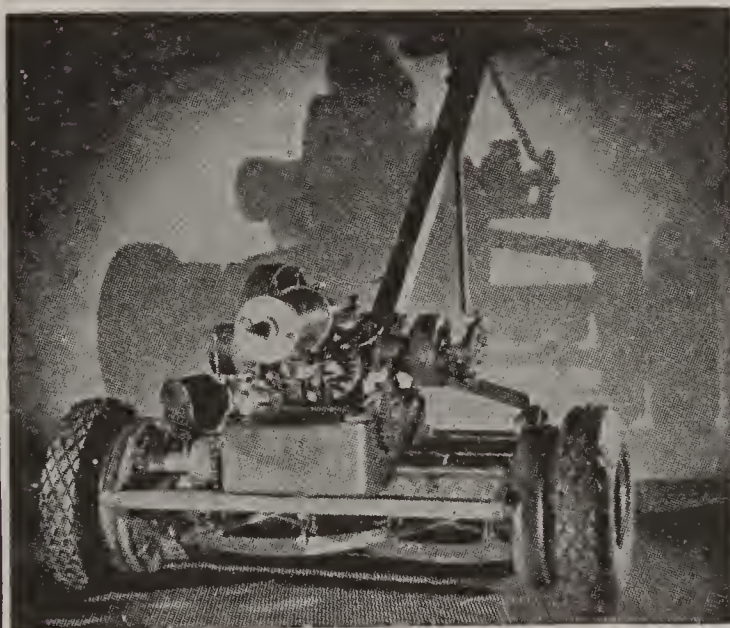
Size	Price	Grass Catcher
15-in. cut...	\$16 45	\$1 75
17-in. cut... } 5 blades	18 75	2 25
19-in. cut... }	20 95	2 25

Bentlawn DeLuxe Mower



Designed for bent grass and fine lawns. Equipped with Pneumatic Tires. Has 10-in. Ball-bearing Wheels; 7 Blades. It leaves a fine smooth finish. 16-in. cut, \$20; 18-in. cut, \$22. Grass Catcher, 16-in., \$1.75; 18-in., \$2.25.

Simplex Power Mower



A light, sturdy Mower. Cutting width, 20 inches. 5 Nickel Steel Blades. With Pneumatic Tires (as shown), \$150.

Planet Jr. Revolving Disc Edger



Trims accurately and quickly. \$1.75.

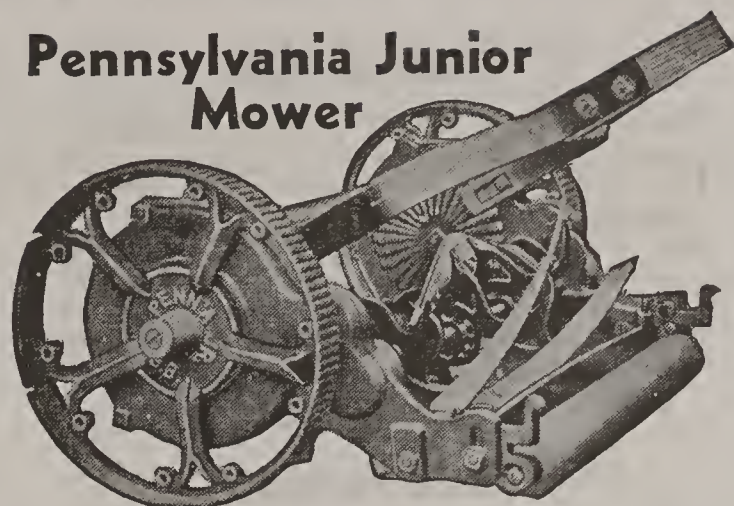
Turf Edgers



Half Moon

Solid Welded-Steel Edging Knife. Imported English. 8-in., \$2.50; 9-in., \$3.
Half-Moon Edging Knife. Solid steel, with a polished handle. \$1.25.

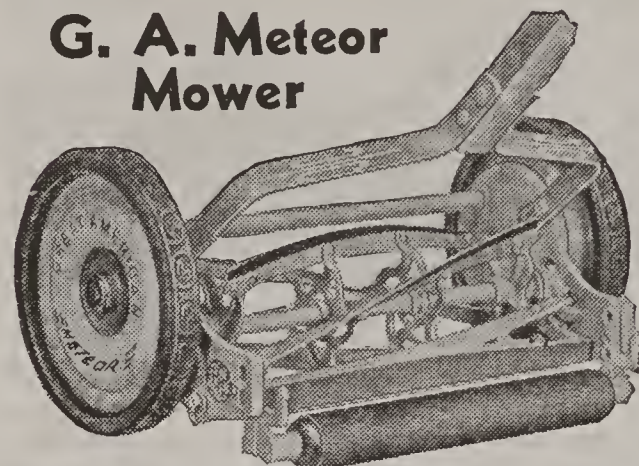
Pennsylvania Junior Mower



Particularly adapted for the cutting of tees and approaches. 5 Blades.

Size	Price	Grass Catcher
15-in. cut.....	\$21 95	\$1 75
17-in. cut.....	23 95	2 25
19-in. cut.....	26 85	2 25
21-in. cut.....	29 85	2 25

G. A. Meteor Mower



Built of aluminum; considerably lighter than the regular iron Mower. Quiet and fast. Equipped with hard Rubber-tire Wheels and Rubber-covered Roller. Mower is quiet in action and entirely noiseless over walks. 5 Crucible Steel Blades.

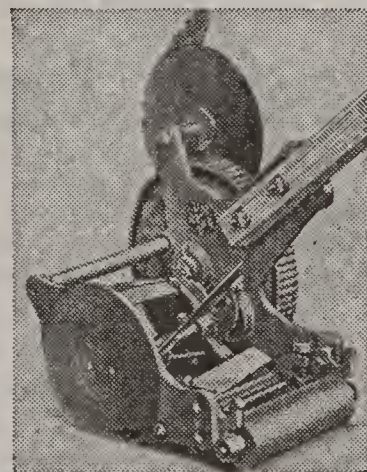
	Grass Catcher
16-in. cut. Weight 35 lbs....	\$19 35 \$1 75
19-in. cut. Weight 38 lbs....	23 35 2 25

Townsend Flyer (Not Illustrated)

A light 12-inch, 5-blade Mower with hard Rubber-tired Wheels. For trimming narrow borders and cemetery plots. Short or long handle, optional. \$10.

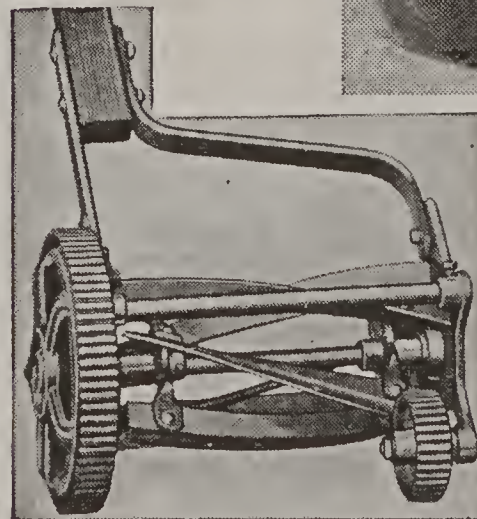
Pennsylvania Lawn Trimmer and Edger

Equipped with steel disc and small plow. Width of cut 5½ inches. Can mow close up to trees, walls, paths, and flower-beds. \$10.50.



Great States Trimmer

Width of cut 8 inches. Has wheel to guide in straight line. \$11 75.



Mats, Paper, Watering Pots, Flower Pots, and Bulb Pans

Hotbed Mats

- No. 1. 40 x 76 in. Burlap both sides. \$2 each, \$22.50 per doz.
 No. 2. 76 x 76 in. Burlap both sides. \$3 each, \$32.50 per doz.
 No. 3. 40 x 76 in. Burlap one side, waterproof duck on the other. \$3 each, \$32.50 per doz.
 No. 4. 76 x 76 in. Burlap one side, waterproof duck on the other. \$4.75 each, \$50 per doz.

Bird Netting

For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, in 20- and 30-ft. widths. \$2 per 100 sq. ft.

Kumfort Knee Pads



A serviceable, comfort-giving, knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to overalls and work clothes. \$1.50 per pair.



Practical Flower Pails

Made of galvanized steel. Painted sea-foam-green both inside and out. Will not rust.

- A. Tall Pail. 10 in. high, 6-in. diam.; short pail 5 x 5 in.
 B. Twin Pails. 6 in. high, 6-in. diam.
 C. Tall Pail. 12 in. high; short pail, 8 in. high, both 8-in. diam.
 D. Twin Pails. 10 in. high, 6-in. diam.

All styles, \$3.50 each

Paper

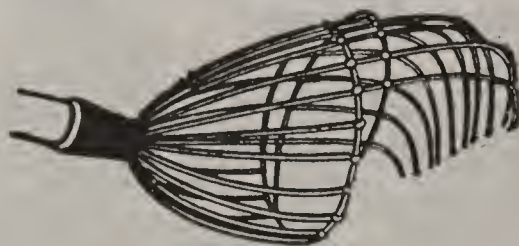
- Wax, White or Green.** 18 x 24 in., ream. \$1 75
 24 x 36 in., ream. 3 25
Tissue, White. 24 x 36 in., ream. 2 50
Manilla. 24 x 36 in., ream. 2 50
Wrapping Paper, Kraft, in rolls. Per roll
 30-in. (approximately 45 lbs.) \$6 50
 36-in. (approximately 54 lbs.) 7 50
 36-in., waxed one side (approximately 70 lbs.) 12 00
Crêpe Paper, Green, Waterproof. 75
Paper Holder and Cutter for rolls. A holder to be attached to your potting-shed bench. 30-in., \$4; 36-in., \$4.50.

MAGIC Electrite PENCIL

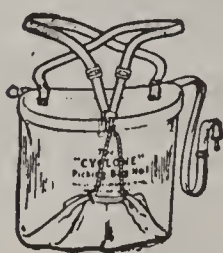


Ideal for burning in your name on all garden tools. Simply plug into electric socket and tool is ready to write. \$2.

Perfect Fruit-Picker

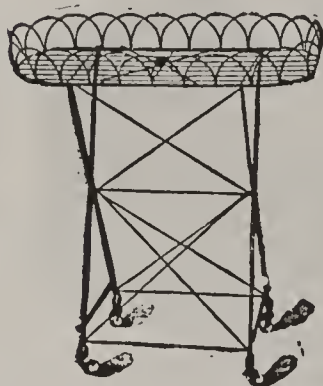


Made of steel wire, heavily galvanized. Prevents bruising of fruit. Can be attached to any pole. 60 cts.



Fruit Picking Bag

Made from heavy-grade duck. Adjustable shoulder-straps. Steel band keeps bag open. Bag empties from the bottom by simply releasing rope from hook. \$2.50.



Plant-Stands

- Single Tray.** 10 x 24 in. \$3.
Two-Step. 7½ x 30 in. \$5.50.
Three-Step. 7½ x 30 in. \$6.75.



Watering Pots

French Oval Pattern. Furnished with 2 Roses.

- 6-qt. \$7 50 | 12-qt. \$9 50
 8-qt. 8 00 | 16-qt. 11 50
 10-qt. 8 50 | Extra Roses... 75

Haw's Pattern. Imported. Furnished with 2 Roses.

- 2-qt. \$6 00 | 6-qt. \$7 50
 3-qt. 6 50 | 8-qt. 8 50
 4-qt. 7 00 | Extra Roses... 2 00

Round Pattern. Furnished with 2 Roses.

- 6-qt. \$7 00 | 12-qt. \$8 50
 8-qt. 7 50 | 16-qt. 11 00
 10-qt. 8 00 | Extra Roses... 75

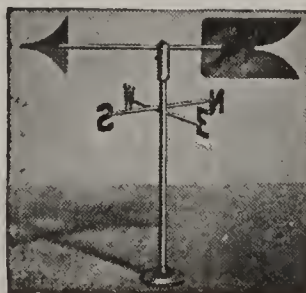
Warren-Church. Light weight. Round; galvanized. Single Brass Rose.

- 4-qt. \$0 95 | 10-qt. \$1 90
 6-qt. 1 15 | 12-qt. 2 40
 8-qt. 1 40

Ladies' Enameled. In three colors, green, red or ivory. Handy for watering plants indoors. Single Rose, 2-qt. only, \$1.50.

Chase Weather-Vane

All-brass, non-rusting Weather-Vane. For bathing-houses, flagpoles, garden-houses. Height 1 foot, width 1 foot. \$1.50.



Gazing Globes

Permanently brilliant crystal. No clouding, streaking or discoloring. Made to last a lifetime. 10-in. \$9.50, 12-in. \$11, 14-in. \$14.50.

Flower Pots, Standard



Flower Azalea Bulb

EARTHENWARE. Best on the market.

Diam. at top	Each	Doz.	100	1000
2 in.		\$0 30	\$1 75	\$15 00
2½ in.		35	2 00	17 50
3 in.		45	2 75	22 50
4 in.	\$0 10	75	4 00	32 50
5 in.	15	1 10	7 00	57 50
6 in.	20	1 60	10 00	85 00
7 in.	30	2 60	16 00	135 00
8 in.	40	3 20	20 00	190 00

Saucers for Above

Diam. at top	Each	Doz.	100
4 in.	\$0 05	\$0 50	\$3 50
5 in.	05	55	4 00
6 in.	10	90	6 50
7 in.	10	1 10	8 50
8 in.	15	1 60	12 00
9 in.	20	2 00	16 00

Flower-Pot Saucers

FIBREWARE. Waterproof

Order Saucer 2 inches larger than the bottom diameter of pot.

Diam. Inside	Each	Doz.	Diam. Inside	Each	Doz.
4½ in.	\$0 60	\$6 50	10¼ in.	\$1 10	\$12 00
5½ in.	70	7 50	12½ in.	1 50	16 50
7¼ in.	80	8 75	14½ in.	2 00	22 00
8½ in.	1 00	11 00	16 in.	2 35	25 50

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Edge of wavy construction.

	Each	Doz.
A. Takes pots up to 6 in.	\$0 20	\$2 25
B. Takes pots up to 8 in.	35	3 75
C. Takes pots up to 12 in.	60	6 50

Earthenware Bulb Pans

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.	25	2 50	17 50
8 in.	35	3 50	25 00
9 in.	55	5 50	40 00
10 in.	75	7 50	50 00
12 in.	1 35	13 50	100 00

Square Earthenware Pans

Size	Each	Doz.
6 x 6 in.	\$0 90	\$9 75
8 x 8 in.	1 25	13 75
10 x 10 in.	1 50	16 50
12 x 12 in.	1 75	19 25

Earthenware Azalea Pots

Resemble bulb pans, but deeper. Earthenware.

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.	25	2 50	17 50
8 in.	35	3 50	25 00
9 in.	55	5 50	40 00
10 in.	75	7 50	50 00

Paper Flower Pots, Flower-Pot Brackets, Rakes, and Rollers

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Red

Diam.	Doz.	100	1000
2 1/4 in.	\$0 20	\$0 80	\$4 50
2 1/2 in.	25	85	4 75
3 in.	30	1 00	6 00
3 1/2 in.	35	1 30	8 00
4 in.	50	1 60	9 50
5 in.	65	2 20	12 75
6 in.	85	2 85	17 00

Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., 90 cts. per 100, \$7.50 per 1000. 3-in., \$1.25 per 100, \$11 per 1000.



Watermat

They are for standing flower pots on.

A compressed organic fibre that takes up water by capillary action. Complete with rustproof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts. Large (fits 7- and 8-in. pots), 50 cts. Extra Large (fits 10- and 12-in. pots), \$1.25.

Flower-Pot Brackets

Very strong and durable. Can be attached to side of window and swung away or toward sun, as desired.



No. 1. Arm, 7 in., holds 5-in. pot....	\$0 65
No. 2. Arm, 8 in., holds 6-in. pot....	75
No. 3. Arm, 10 in., holds 7-in. pot....	90

Rakes

Sawco Lawn Cultivator Rake

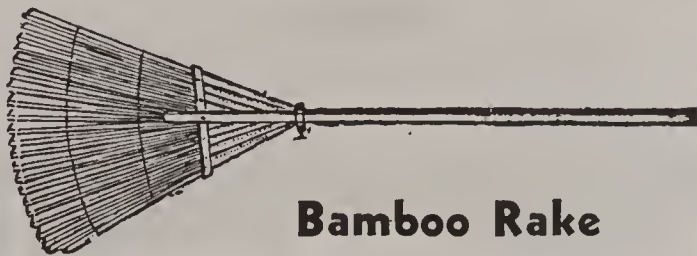
Consists of a heavy, solid head, carrying 13 curved, sharp-pointed and sharp-edged teeth. The Cultivator Rake tears out clover or crab-grass and roughens the turf to prepare it for reseeding. With handle, \$2.50.



Lawncomb

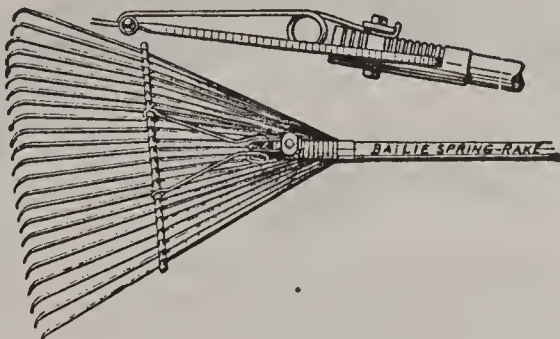
The flexible, springy teeth make it very desirable for cleaning around plants, vines, shrubbery, and flower-beds. Also for cleaning gravel paths; it removes leaves and other refuse without disturbing the gravel or crushed stone. 18-in., \$1.35; 24-in., \$1.75.

Steel Gravel. Like the Steel Garden Rake. Made substantially, with short teeth. (Not illustrated.)
14-tooth....\$1 75 | 18-tooth.....\$2 25
16-tooth.... 2 00

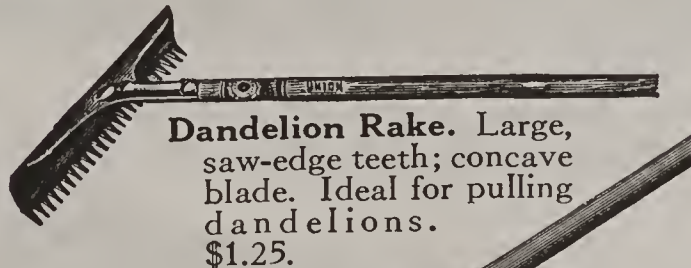


Bamboo Rake

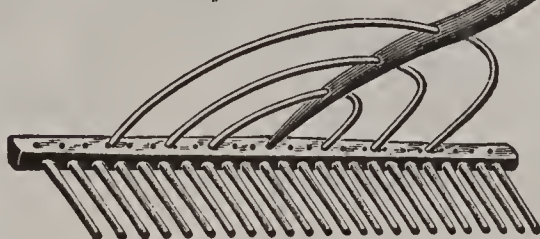
Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each Doz.
Small. 18 in. wide.....\$0 75 \$7 50
Medium. 24 in. wide..... 1 00 10 00
Large. 30 in. wide..... 1 25 12 50



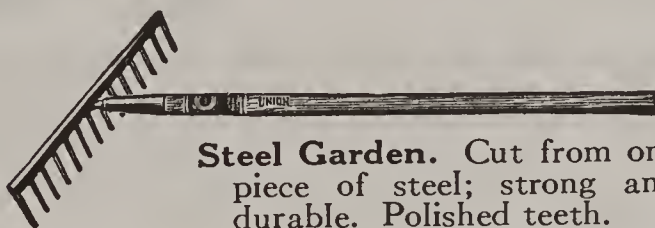
Bailie Spring-Rake. Made of cadmium steel, flat tines, reinforced by a spring. Gives great strength and flexibility. All teeth work perfectly even with the ground. 22 in. wide. \$2.



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for pulling dandelions. \$1.25.

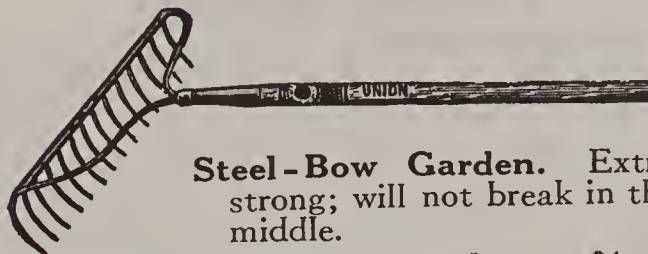


Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service. Each Doz.
Hay, 14-tooth.....\$1 35 \$14 00
Lawn, 28-tooth..... 1 75 18 00



Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.

10-tooth....\$1 20	14-tooth.....\$1 35
12-tooth.... 1 25	16-tooth..... 1 45

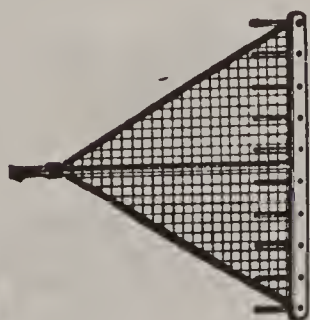


Steel-Bow Garden. Extra strong; will not break in the middle.

12-tooth....\$1 35	16-tooth.....\$1 65
14-tooth.... 1 45	

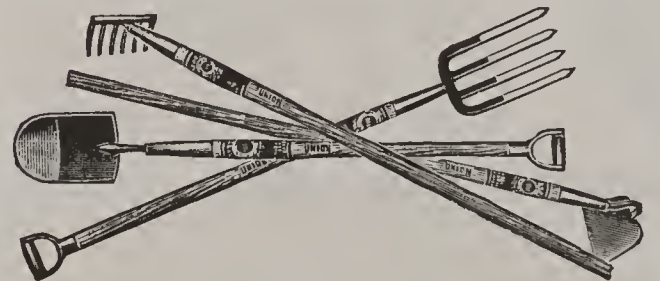
Porter's Basket Rake

It rakes all as you go. Turn the Rake over and the basket will carry grass, leaves, twigs, etc. Has 24 wood teeth. Basket made of non-rustable metal. \$1.50 each, \$15 per doz.



Enterprise Rake. Removes weeds and dead grass with ease. Aërates turf so that sun and air can carry nutrition to roots. \$3.50.

Woman's Garden Tool Set



Practical for the woman gardener. Consists of Shovel, Hoe, Rake, and Fork. \$3.75.

Tools in this Set can be supplied individually at \$1.25 each.

Midget Spike Roller



For the small or medium-sized lawn. Steel Tray can be weighted with stone or bag of sand. Roller 13 in. wide; Spikes 1 1/2 in. long. \$9.75.

Water-Ballast Lawn Roller

The drum has rounded edges, which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

No.	Diam.	Length	Weight empty	Filled with Water	Price
A	14 in.	15 in.	50 lbs.	115 lbs....	\$9 00
B	14 in.	24 in.	70 lbs.	175 lbs....	10 25
C	18 in.	24 in.	85 lbs.	265 lbs....	13 00
D	24 in.	24 in.	110 lbs.	420 lbs....	18 00
E	24 in.	32 in.	130 lbs.	565 lbs....	19 00

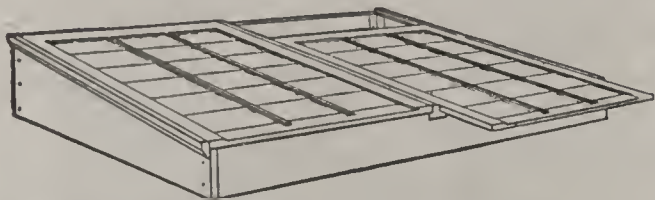
Cast-Iron Hand Lawn Rollers

The face of each Roller is made smooth, with outer edges rounded. Will not injure the grass when turning.

No.	Sections	Diam.	Length	Weight	Price
1	2	15 in.	15 in.	150 lbs....	\$19 50
2	3	15 in.	22 in.	200 lbs....	25 00
7	2	20 in.	24 in.	300 lbs....	32 50
8	3	20 in.	30 in.	350 lbs....	37 50
10	3	24 in.	24 in.	450 lbs....	42 50
13	3	28 in.	24 in.	500 lbs....	55 00

Sash, Saws, Seeders, and Flower-Gathering Shears

Hotbed Sash and Frames—Glass



Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$6.50 each, \$70 per doz.

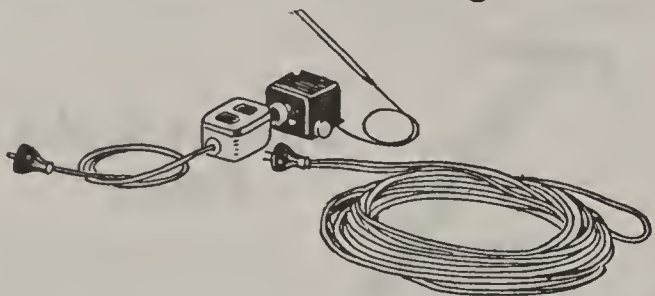
Double Light Sash. Standard size, 3 x 6 ft. Made with two layers of glass, providing an air-chamber or insulator, which keeps the warmth in and the frost out. \$11 each.

Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

	Dimensions feet	Sashes held	Frame only	Frame and Sash
No. 1.	3 x 6	1	\$11 00	\$17 00
No. 2.	6 x 6	2	13 00	25 00
No. 3.	9 x 6	3	16 00	34 00
No. 4.	12 x 6	4	18 00	42 00
No. 5.	15 x 6	5	21 00	50 00
No. 6.	18 x 6	6	25 00	60 00

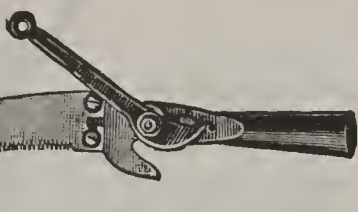
Cel-O-Glass Junior Coldframe. Ideal for starting early flowers and vegetables. Size 3 x 3 ft. Sides and Sash made of air-dried cypress, painted green. Sash covered with Cel-O-Glass. Unbreakable, flexible. \$5.

Electric Soil-Heating Unit



Consists of Thermostat and 60 feet of cable. \$18.50 each. Extra cable, 8 cts. per ft. Write for circular.

Saws



Orchard Pruning Hook and Saw. Recommended for both pruning and sawing. Length of blade, 9½ inches. Without pole, \$3.



No. 12 Paragon Pruner. The convex edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2½ inches wide at handle, and 1 inch at point. 16-in., \$2; 20-in., \$2.25.

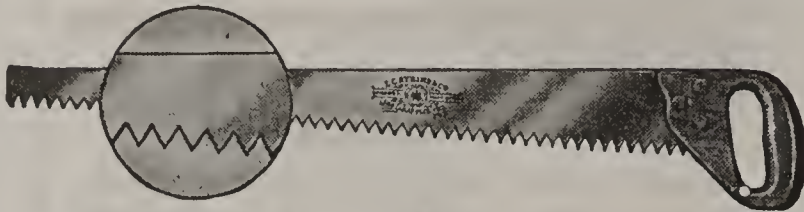


No. 3 Duplex Pruner. Toothed on one edge with lightning teeth for extra-heavy, coarse work, and fine teeth on opposite edge for finer cutting. 18-in., \$2; 22-in., \$2.25.

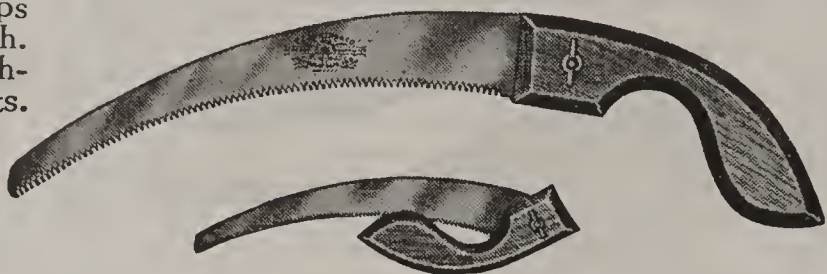
POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$1; 12-ft., \$1.50; 14-ft., \$2; 16-ft., \$2.75.

Saws

File to Sharpen Furnished Free



No. 17 Forester Pruner. Blade is very stiff and will not bind; tapers from 1¼ inches wide at point to 3¼ inches wide at butt. Extra-large teeth, filed and set. 26-in., \$2.75.



No. 18 California Curved Pruner. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point to 1½ inches wide at butt. 14-in., \$2.



No. 4 Pruner. Fitted with new-style Davey handle having extra-large grip. 20-in., \$2.75; 26-in., \$4.



No. 40 Tuttle Tooth Pruner. Has extra-sharp teeth that hold their edge longer due to their extra-fine temper. 20-in., \$3; 24-in., \$3.50.



Atkins No. 16 "AAA" Pole Tree Pruner. Blade adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$2.75.

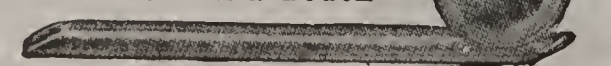
Cyclone Seeders



Sows perfectly even all varieties of farm seeds such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. The bag holds about ½ bus. \$3.

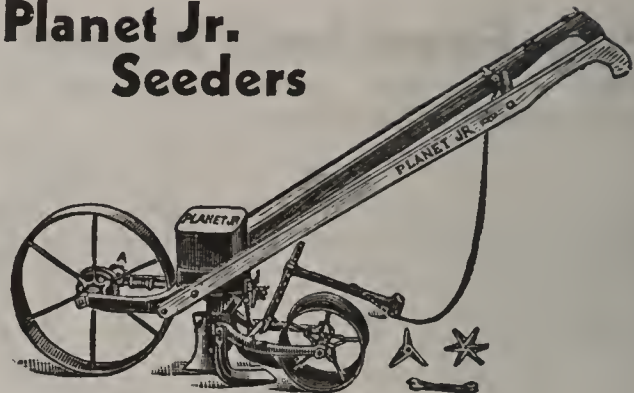
Sowrite Seed Sower

Sows Seeds at a Touch



It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 50 cts.; for larger seeds, 50 cts.

Planet Jr. Seeders



NO. 3 SEEDER. For onion-growers and market gardeners. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Holds 3 quarts of seed. \$19.

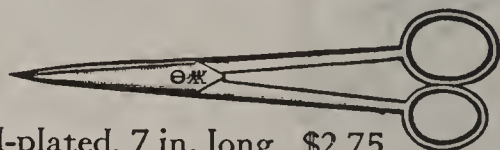
NO. 25 COMBINED SEEDER AND CULTIVATOR. Single Wheel. Seed-box holds 2½ quarts of seed. Combination includes 1 pair of 6-in. Hoes, 4 Cultivator Teeth, 1 pair of Plows for hilling against the rows, 2 Leaf-guards, and 1 Marker, \$23.50.

NO. 4 COMBINED SEEDER-CULTIVATOR. Single Wheel. Will sow seeds in rows or in hills, plow open furrows and cover them, cultivate, and hoe. The seeding mechanism holds 2½ quarts of seed. Outfit consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 Plow, 1 Leaf-guard, which lifts the leaves of the plants and prevents damage to them, and 1 adjustable Marker, which, when the machine is sowing seed, indicates the correct location of the next row. \$19.50.

See page 97 for Planet Jr. Cultivators

Shears

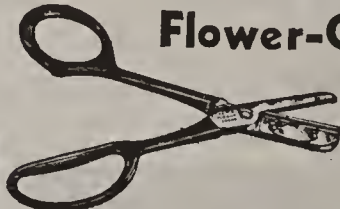
Grape-Thinning Scissors



Nickel-plated, 7 in. long. \$2.75.

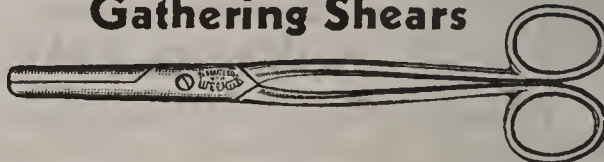
Garden Club

Flower-Gathering Shears



Nickel-plated. Made to hold within its grasp the stem of the cut-flower. \$1.50.

Sawco Nickel-Plated Flower-Gathering Shears

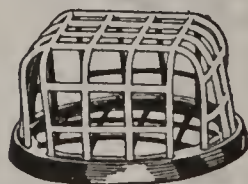


Grasps flower when stem is cut. High-grade steel; 7 inches long. \$2.25.

Ladies' Utility Shears



Lightweight chromium-plated Shears for general use in the garden and home. 7½-in. blade. \$1.75.



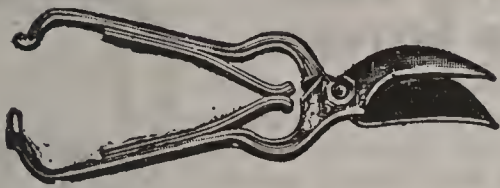
Dazey Flower Holder

Heavily constructed; galvanized and enameled green.

No.	Base	Mesh	Price
G-1	5¼ in.	¾ in.	\$1 25
G-2	4½ in.	½ in.	1 00
G-3	3½ in.	¼ in.	75
14 Oval	8¼ in.	¾ in.	2 25

Shears for Grass, Trees, Hedges, and Shrubs

Pruning Shears



Sawco Solid Steel. Crucible tool-steel, tempered and fully polished. Strong and durable. A ratchet nut keeps the Shears properly tightened; will not break; excellent finish. Made in three sizes. 8-in., \$2.75; 9-in., \$3; 10-in., \$3.25.



Warren-Church. Forged cutlery steel blade; green enamel, malleable handle; volute spring; ratchet lock-nut. Well-made Shears. 9-in., \$1.50.



Snapcut. The only lightweight Pruning Shears with genuine draw-cuts—cuts cleaner and quicker. \$2.00; ladies' size, \$1.50.



Kunde Pattern. One of the best Shears obtainable. It is very durable and efficient. Solid steel. \$5.



Ladies' Chrome. Light, practical, handy to use on roses and shrubbery. 7-in., \$2.

Grass Shears



Sawco Imported. 7-in., \$2.75.
Domestic. 6½-in., \$1.50.



Grassnips. The scissors-like Grass Shears. Practical for trimming edges and borders of lawns, flower-beds, etc. \$1.25.



Warren-Church Grass Shears and Weeder. Up-and-down action handle. Length of blade, 6 inches. One of blades has rounded edge for lifting weeds. \$2.



Warren-Church Grass Shears. Up-and-down action handle with 5-inch blades. \$1.75.

Compound-Lever Pruner

Calculated for heavy work and will cut a limb up to 1¼ inches in diameter. The compound leverage relieves the strain on the pole. Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$6.50; 12-ft., \$7.00; 14-ft., \$7.50; 16-ft., \$8.00.



All-Steel Tree Pruner

Strictly high-class Pruner in every detail. Light, powerful, and practical; cuts 1½-inch limbs with ease. 20-in., \$2.75; 25-in., \$3; 30-in., \$3.50.



Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

6-ft. \$2 25
8-ft. 2 50
10-ft. 3 00
12-ft. 3 25
Extra Knives, 30 cts. each.

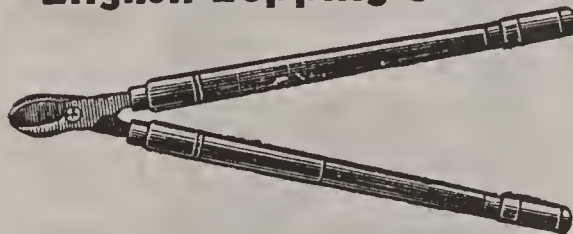


Telephone Pole Pruner

Not Illustrated

This Pruner is similar in appearance to the Waters Pruner, making it very strong and durable. Furnished without pole, \$1.80. Extra Knives, 30 cts. each.

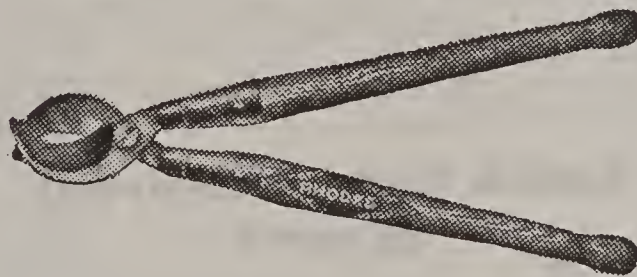
English Lopping Shears



Imported English. Good quality.

No. 2. 24-in. \$5 00
No. 3. 28-in. 6 00
No. 4. 32-in. 6 75

Rhodes' Double-Cut Pruner



A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-in., \$4.50; 36-in., \$5.

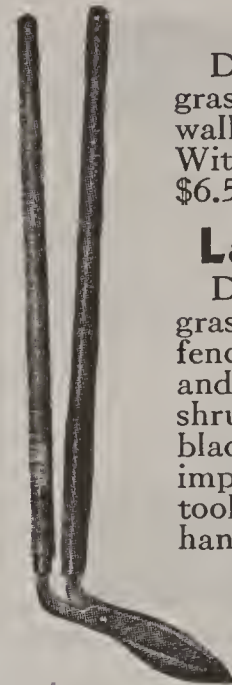
The Forester Pruner



A powerful Pruner. Cuts limbs from 1¼ to 2 inches with ease. Has patented slide-shift power-slot. 20-in., \$5; 27-in., \$6; 34-in., \$7.

Border Shears

Designed to trim overhanging grass on borders, flower-beds, and walks. Imported English Steel. Without wheel, \$6; with wheel, \$6.50.



Lawn Shears

Designed to cut grass under hedges, fences, grape-arbors, and flower-beds or shrubs. Has 9-in. blades of high-grade imported English tool-steel; polished handles and blades. Without wheel, \$6; with wheel, \$6.50.



Hedge Shears

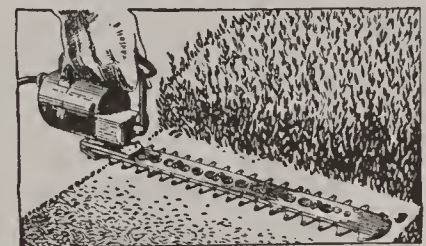


Sheffield. Finest English steel. Plain Notch
Each Each
8-in. blade. Weighs 4 lbs. \$3 00 \$3 50
9-in. blade. Weighs 4 lbs. 3 25 3 75
10-in. blade. Weighs 4 lbs. 3 50 4 00
Ladies' 3 25

Sawco Domestic. Well made and of excellent quality. Serrated Notch
Each Each

8-in. blade \$2 50 \$3 00
9-in. blade 2 75 3 25
10-in. blade 3 00 3 50
Ladies' Plain. 6-in. blade 2 25

Syracuse Electric Hedshear



Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 10-ft. Cord, \$29.75. Extra 100-ft. Weatherproof Cord, \$5.

Warning Signs

Made of metal, 14 by 4½ inches, painted white, with 2-inch raised black letters. \$3. Can also be furnished with Single 24-in. Steel Rod.



New Planting. Keep Off
Do Not Climb Fence
Do Not Trespass
No Walking through Hedge
No Walking on Lawn
Keep Off the Grass

Sawco Tree Scraper

A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.25.

Grafting Chisel

Makes clean splits and does not tear the bark. \$1.25.

Shovels, Sieves, Spades, Soil-testing Kits, Sprayers, and Dusters

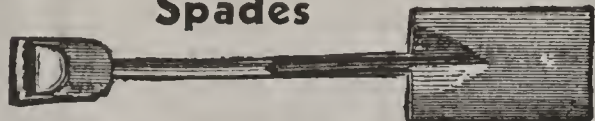
Shovels



Sawco Shovels. Good reliable grade.
Square Point, D-Handle.....\$2 25
Round Point, D-Handle..... 2 25
Long-Handle Shovels, same price.

Ames Shovels are the best manufactured.
Give best service.
Square Point, D-Handle.....\$3 25
Round Point, D-Handle..... 3 25
Long-Handle Shovels, same price.

Spades



Sawco Spades are the same grade as Sawco Shovels.

D-Handle and Long Handle.....\$2 25

Ames Spades are the same grade as the Ames Shovels.

D-Handle and Long Handle..... 3 25

Bantam Spade. A light-weight sturdy Spade. D-Handle. \$2.25.

Ames Nursery Spade



Full strapped heavy-duty tool used by nurserymen for transplanting. Blade 12 $\frac{5}{8}$ inches long. D-Handle. \$5.

Ames Drain Spade



Solid shank. Ideal for transplanting. 16 in. long; 4 $\frac{3}{4}$ in. wide. D-Handle. \$3.50.

Sieves

For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. Galvanized. 20 inches in diameter. $\frac{1}{8}$ -, $\frac{1}{4}$ -, and $\frac{1}{2}$ -inch mesh. \$2 each.

Sod Lifters

English Pattern. Heart-shaped, strong, and highly efficient. \$8.

American Pattern. Preferred by many on account of its light weight. \$3.

Sudbury Soil-testing Outfits



Professional Kit

Tests for nitrogen, phosphorus, potash, and acidity. It will give the gardener complete information about the requirements of his soil.

Home Gardener's Kit. (Four complete tests).....\$2 00

Horticultural Kit. (Enough for 60 tests)..... 9 75

Professional Kit. (Enough for 200 tests).....18 50

SPRAYERS

Sawco Paragon Sprayer No. 3



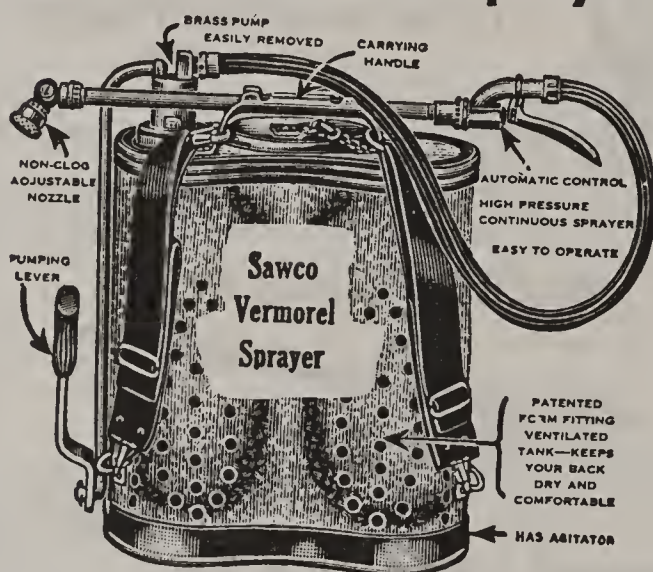
Capacity
12 gallons

Recommended for spraying whitewash, cold-water paint, insecticides, fungicides, and all solutions in the garden or greenhouse. Will also spray trees 25 feet high.

Sprayer mounted on truck with two 12-inch wheels. Price, \$23.50; without truck, \$19.50.

Equipment: 10-ft. Special Spray Hose, 7 $\frac{1}{2}$ -ft. Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray. A Single Wheel Truck, with 16-inch wheel, will be furnished with the No. 3 Sprayer, when desired. \$23.50.

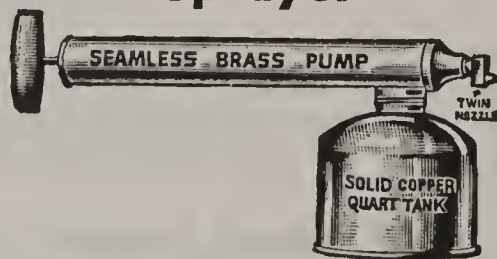
Sawco Vermorel Sprayer



Maintains continuous high pressure. Equipped with best-grade, high-pressure Hose, 2-foot Extension Pipe with adjustable swivel, and Non-clog Automatic Shutoff Nozzle. Capacity, 5 gals. Has form-fitting ventilated tank keeping back dry and comfortable. Carrying Handle and Solid Brass Pump with Agitator.

Copper-Bearing Galvanized Steel....\$16 00
Heavy Solid Copper..... 22 00

Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under-leaf sprayer. Holds 1 qt. Sturdy construction. Wonderful performance.
Brass Pump and Copper Tank.....\$2 25
All Tin. (Not illustrated.)..... 1 00

Sawco Open-Top Sprayer

An excellent Compressed-air Sprayer especially adapted for spraying around the home, garden, stable, and poultry-house.

No. 6-C. Copper Tank fitted with Automatic Shutoff; 18-in. Brass Extension and Swivel Non-clog Brass Nozzle. Seamless Brass Pump with Brass Air-check Valve. Capacity, 2 $\frac{1}{2}$ gals. \$8.50.

No. 6-G. Galvanized Tank. Equipment same as above. \$5.75.

No. 7-C. Heavy corrugated solid Copper Tank with Automatic Shutoff; 24-in. Brass Extension and Swivel Non-clog Brass Nozzle. Seamless Brass Pump with Brass Air-check Valve. Capacity, 4 gals. \$9.50.

No. 7-G. Galvanized Tank. Equipment same as above. \$6.75.

Non-Clog Nozzle. With small and large Discs. 80 cts.

Brass Extension Rods. 2 ft. 60 cts.

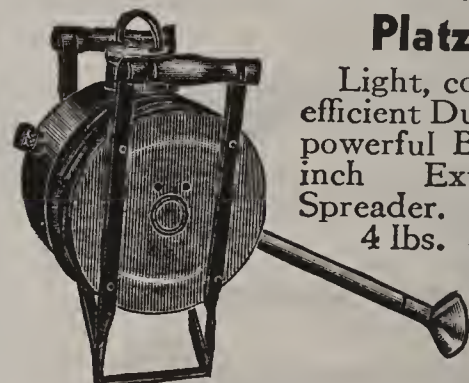
Hose. 20-in., with Automatic Shutoff Nozzle. \$2.25.



DUSTERS

Platz Duster

Light, compact, sturdy, efficient Duster with large, powerful Bellows and 30-inch Extension with Spreader. Capacity, 2 to 4 lbs. \$7.50.



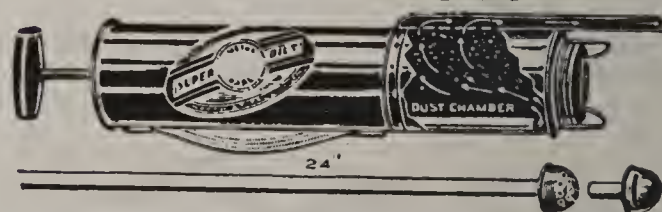
Floradora Duster

4-in. diam.; 8-oz. capacity. 35 cts.

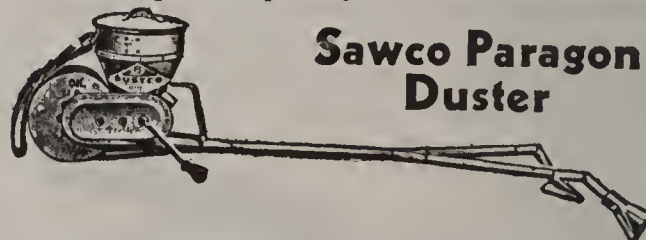
Woodason's Bellows

Powder, small size \$3.50; large size \$5. Liquid, small size \$4.25; large size \$5.
Double-Cone Powder Bellows. For dusting plants with dry powders. \$7.50.

Sawco Dust Gun



For dusting Hortex, Tobacco Dust, Hellebore, Paris Green, Arsenate of Lead, Powdered Sulphur. \$1.50.



Sawco Paragon Duster

Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust.

Junior Size. Capacity 2 to 5 pounds, depending on powder used. \$10.

Senior Size. Capacity 5 to 10 pounds, depending on powder used. \$12.50.

Spray Barrels, Sprinkling Carts, Syringes and Sprinklers

Sawco Sprinkling Cart and Spray Barrel

This combination is interchangeable. The truck conveniently takes both outfits by merely lifting barrel only.



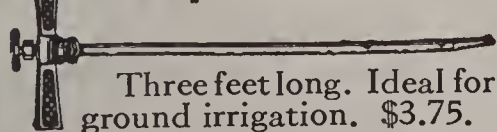
SPRINKLING CART. Capacity 50 gallons. Sprinkler boom 72 inches long. Wheels 30 inches in diameter, with 4-inch tread. Has agitator to mix solution in barrel. Sprinkler-control handle is within easy reach of operator, very rigid, and conveniently attached to axle: 6-inch opening in barrel.



SPRAY BARREL. Capacity 50 gallons. Pump body, plunger, and suction pipe are solid brass. The air-chamber is of seamless brass tubing, 4 inches in diameter, 12 inches long. Has agitator operated automatically by pump. Maintains a pressure of 150 to 300 pounds with one man and 350 to 400 pounds with two men. Equipped with 25-foot special spray hose, 10-foot extension pipe, 3-way nozzle, 1 single-spray nozzle.

Sprinkling Cart complete with Truck. \$47 50
Spray Barrel complete with Truck... 69 50
Spray Barrel only, without Truck... 45 00
Truck only, with 4-inch-tread Wheels. 24 50
Spray Pole, 8 ft. brass-lined, with shut-off. For tall tree spraying... 4 00

Hampden Root Sprayer



Three feet long. Ideal for under-ground irrigation. \$3.75.

Bucket Spray Pump

An economical hand Sprayer for applying whitewash, cold-water paints, and disinfectants. Equipped with 3 feet of 1/2-inch Spray Hose and Bordeaux Nozzle, \$6.

Arnold Spray Gun



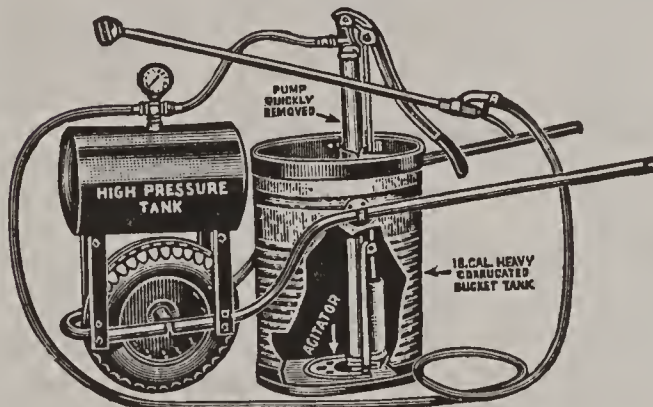
Connects to your hose. Avoids pumping and mixing. Water pressure on the cartridge inserted in the nozzle makes a spray deadly to insects and fungus. **Gun only, \$3.50.**

Cartridges:

Pyrethrum-Rotenone (for sucking and chewing insects).
Nicotine (for sucking insects).
Sulphur (for mildew).
Arsenate of Lead (for chewing insects).
Miscible Oil (dormant spray).
Bordo Mixture (for fungus).

All above Cartridges, 35 cts. each, 3 for \$1

Sawco Wheelbarrow Sprayer



Unexcelled for greenhouse work, white-washing, spraying garden truck. Stream-lined, oval-shaped tank. Width of bucket 12 inches. Capacity 15 gallons. All-brass working parts. Mechanical agitator. Pressure tank made of 300-pound tested steel plate, capacity 6 gallons. Brass pressure gauge. Equipped with 12-foot 1/2-inch high pressure Hose. Two-foot brass extension rod and non-clog brass automatic shutoff nozzle.

	Steel Wheel	Pneumatic Tires
Galvanized Steel Tank...	\$36 00	\$40 00
Solid Copper Tank.....	44 00	57 00

Bronx Bottle Sprayer



Nozzle throws powerful, broad mist. Can be sprayed in any direction. Sprayer is made to fit any ordinary bottle. Sprayer only, \$1.35; with special Screw-Cap Bottle, \$1.50.

Rubber Plant Sprays

Scollay. Straight-neck. 12-oz. \$1.50.
Sawco. Straight-neck. 8-oz. 60 cts.
Sawco. Crook-neck. 8-oz. 75 cts.

Brass Syringes

No. A. Barrel 12 in. long, diam. 1 in. One Spray Rose and one Jet. \$3.50. Weight 3 lbs.
No. H. Sheet-brass Syringe, with fixed Spray Rose. Barrel 16 in. long, diam. 1 1/2 in. \$4. Weight 4 lbs.
No. 10. Barrel 18 in. long, diam. 1 1/2 in. One coarse and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. \$9. Weight 5 lbs.

SPRINKLERS

Double Rotary Sprinkler

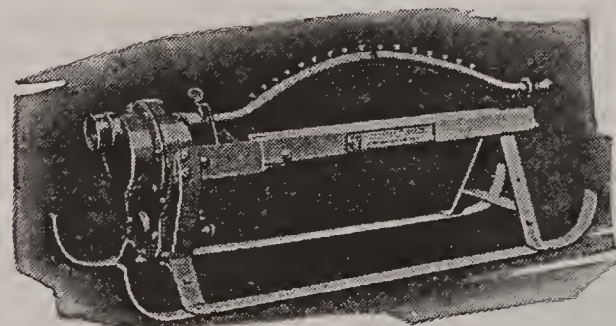
Efficient
Long-Wearing
Reliable



Covers an area from 15 to 80 feet. Gears run in oil. Nozzle can be adjusted for fine and coarse spray. \$12.50.
Junior Model. (Not illustrated.) \$7.50.

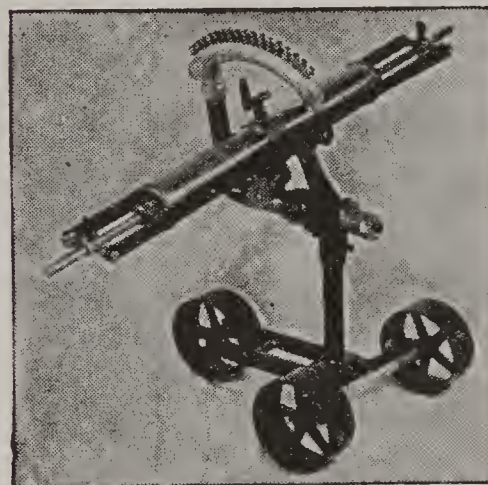
Waterfan

The Automatic Oscillating Irrigation Sprinkler



Will sprinkle a rectangle 40 by 45 feet, with a mist-like spray. The plane of the spray oscillates back and forth. \$15.

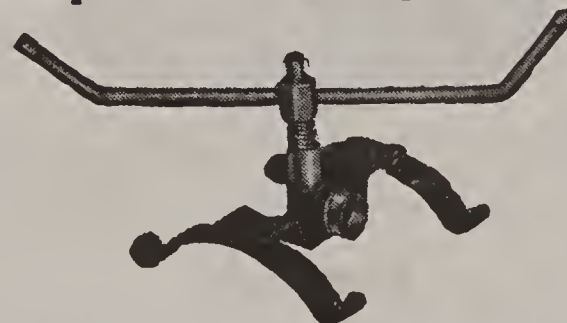
Rainbow Sprinkler



Designed to sprinkle a square area instead of a circle. The Rainbow has 17 nozzles mounted on an oscillator. Its sweep is so wide that it waters an area as large

as 60 square feet. Can also be adjusted for narrow areas, strips, and borders. Mounted on wheels; easy to move. \$40.

Triple Shower Sprinkler

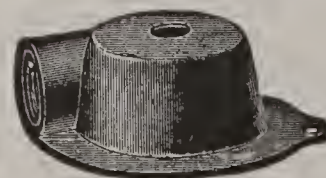


The best Sprinkler made in its price-range. Operates on 15 pounds of pressure. Covers a surprisingly large area uniformly and properly. \$2.50.

The C. B. G. Sprinkler

Cheap But Good

Nothing to get out of order. Easily drawn about the lawn without shutting off the water. 50 cts. each.



Sprinklers, Sundials, Plant Stakes and Supports, Sweepers, and Tampers

SPRINKLERS

Buckner



A real heavy-duty Sprinkler. Made of heavy cast bronze. Arms short, compact, and rugged. A slow-motion drive, sandproof bearing Sprinkler.

No. 6-A Sub-Jr. Operates on 15 lbs. pressure. Covers 50 ft. on 20 lbs. Roller Base. $\frac{3}{4}$ -in. connection. \$10.

No. 6-A Junior. Distributes large volumes of water very rapidly. Excellent performance on 30- to 70-lb. pressures. $\frac{3}{4}$ - and 1-in. connections. Roller Base. \$14.

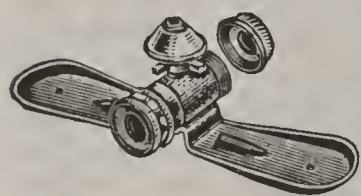


Multispray

A sprinkling system built in rubber hose. Outlets can be opened up to sprinkle lawn or closed so that nozzle can be attached for watering garden. 25-ft. length, with 3 Sprinkler Heads, \$6.25; 50-ft. length,

with 4 Sprinkler Heads, \$9.75.

Sawco Portable Spray Head



For connecting with hose in series to create a movable and flexible lawn-sprinkling system. Produces a perfect mist - like spray. Head is adjustable to completely shut off.

85 cts. each, \$9.25 per doz.

Ring Lawn Sprinkler



Made of heavy gauge sheet brass; $8\frac{1}{2}$ inches in diameter; $\frac{3}{4}$ -inch connection. Throws a well-distributed spray. \$1.25.

Sundials

Tell the time by the sun! Made of cast bronze, highly finished, and accurate.



- No. 934.** $7\frac{3}{4}$ -in. diam. \$4 50
- No. 937.** 8-in. diam. 5 00
- No. 946.** $10\frac{3}{4}$ -in. diam. 10 00
- No. 947.** $10\frac{1}{2}$ -in. Hexagonal. 9 00
- No. 953.** 12-in. Square. 16 00

Plant Stakes, Cane

Japanese Bamboo, Dyed Green. For staking Gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

	Doz.	100	1000
2-ft.	\$0 30	\$0 75	\$3 00
3-ft.	35	85	4 50
4-ft.	40	1 00	6 50
5-ft.	45	1 25	9 00
6-ft.	60	1 50	13 00

Japanese Bamboo, Natural. For sweet peas, chrysanthemums, and other greenhouse plants.

	D z.	100	1000
6-ft.	\$0 65	\$2 50	\$11 50
8-ft.	1 25	4 50	23 00
20-ft.	5 50		

Chinese Tonkin Cane. Heavy stake-canes for indoor and outdoor use. 3 to 4-ft. canes are $\frac{3}{8}$ -in. diameter; 5 to 6-ft., $\frac{3}{4}$ -in.

	Doz.	100	1000
3-ft.	\$0 50	\$2 50	\$15 00
4-ft.	75	3 00	20 00
5-ft.	1 00	6 00	50 00
6-ft.	1 25	6 50	55 00

Plant Stakes, Wood

Plant Stakes, Green—

	Doz.	100		Doz.	100
1½-ft.	\$0 35	\$2 00	3-ft.	\$0 70	\$5 50
2-ft.	45	2 75	4-ft.	1 20	7 50
2½-ft.	55	3 75	5-ft.	1 60	8 50

Hyacinth Stakes, Painted green—

	100	500	1000
12-in.	\$0 50	\$2 00	\$3 00
18-in.	75	3 00	5 00

Dahlia Poles, Tapering, Green—

	Doz.	100		Doz.	100
3-ft.	\$1 80	\$10 50	5-ft.	\$2 75	\$17 50
4-ft.	2 25	14 00	6-ft.	3 50	20 00

Special Dahlia Poles, Green. Solid ash; $\frac{7}{8}$ inch thick; non tapering.

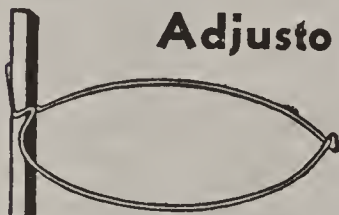
	Doz.	100
5-ft.	\$2 00	\$10 00
6-ft.	3 00	15 00

Hickory Stakes, Green.

	Doz.	100
3½-ft.	\$0 65	\$5 00

BEAN POLES. 35 cts. each, \$3.50 per doz.

Adjusto Plant Supports



Sturdy hardwood stakes, $\frac{7}{8}$ -inch square, with a strong wire support instantly adjustable to any height.

Holds the plant firmly together, yet admits air and sunlight.

	Each	Doz.		Each	Doz.
3-ft.	\$0 20	\$2 00	5-ft.	\$0 30	\$3 00
4-ft.	25	2 50	6-ft.	35	3 50
Extra, 13-in. Wire Hoops.				15	1 25

Metal Plant Supports

Galvanized Wire Stakes.

	Doz.	100	1000
3-ft.	\$0 40	\$2 50	\$18 75
4-ft.	50	3 30	24 75
5-ft.	60	4 00	30 00

Tomato Supports, Wire. Made of heavy steel wire. 32 in. high, 14 in. diam. 65 cts. each, \$5 per doz., \$35 per 100.

Sawco Spiral. Made of galvanized wire enameled green. A twist curls the spiral end about the stalk of the plant.

	Doz.	100		Doz.	100
2 ft.	\$0 90	\$6 00	3 ft.	\$1 00	\$7 00
			4 ft.	1 25	9 00

Carnation Supports, Etc.

Carnation Supports, Model Extension. 2-ring, \$1.50 per doz., \$8 per 100; 3-ring, \$1.80 per doz., \$9 per 100.

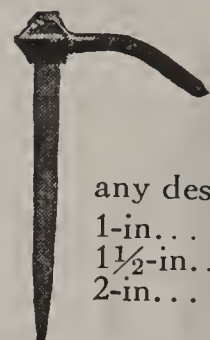
Baur's Carnation Clips. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 15 cts. per oz.

G. B. Vine Supports



For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1.35, postpaid; 100 Supports, \$5.



"Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position.

	Doz.	100
1-in.	\$0 35	\$2 25
1½-in.	40	2 75
2-in.	50	3 25

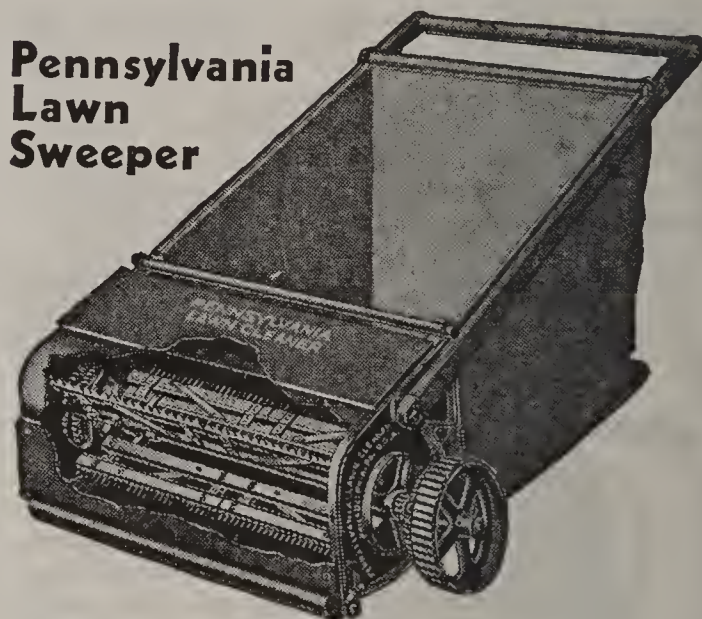
Vyn-Tach Hooks

Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Complete Set of 100, \$6.50. Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

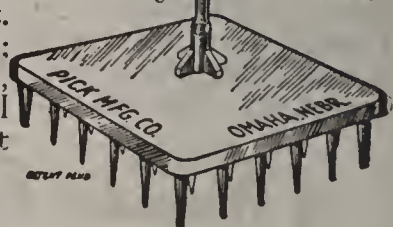
Pennsylvania Lawn Sweeper



Designed to remove dead leaves, but it may be converted quickly into a mechanical brush for distributing worm-casts, etc., when steel rakes, with which the machine is normally fitted, are removed and replaced with brushes. 24-in. With either Rakes or Brushes. \$35. Brushes or Rakes extra, \$7 per set.

Spike Tamp

An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut. Plates 9 in. square; Spikes $1\frac{3}{4}$ in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$4.50.



Tampers

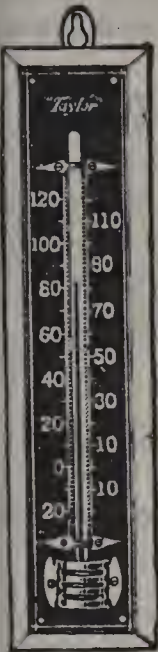
Sawco Iron Sod Tamper.

Used when laying turf and for compacting the sod after frost. The Tamper is square and is furnished complete with a 4-foot handle.



Size	Weight	Price
8 x 8-in.	14 lbs.	\$2 00
10 x 10-in.	18 lbs.	2 50

Thermometers, Traps, Tree Guards, Trowels, Vases, Tree and Plant Tubs, and Twines



Thermometers

No. 5420. Greenhouse. Black japanned heavy tin case. Oxidized brass scale, white figures. (Spirit.) 8-in., \$1; 10-in., \$1.25.

No. 5154S. Coppered tin case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-in., 85 cts.

No. 5452, Self-Registering. (Siege's Pattern.) Lacquered polished brass case, white figures. **Maximum and Minimum.** 10-in., \$7, with magnet.

No. 5400. Black japanned heavy tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. **Standard Grade.** 8-in., \$1.75; 10-in., \$2.

No. 5127. Steel, finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit.) 8-in., \$1.

No. 5981. Hotbed. Pointed wood frame. Brass oxidized scale, white figures. Best grade, mercury-filled bulb-chamber giving good contact. 15-in., \$3.

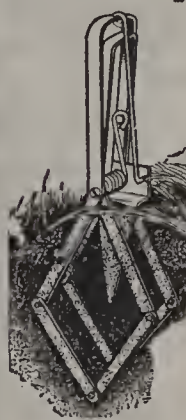
Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.

Collins' Caterpillar. Consists of tray and oil-lamp pivoting on a wire frame. Tray catches caterpillars. Without pole, 75 cts.



Beetle Trap



Acme

Japanese Beetle Traps

Type 4. Most recent Trap developed. Especially suitable for large homes and estates. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar) \$1.50. Extra can of bait 50 cts.

Mole-Traps

The Little Giant. The simplest, safest, and surest Mole-Trap ever invented. \$1.

Acme. V-shape, trigger-tooth Mole-Trap \$2.

Nash "Choker Loop." This Trap catches the mole from either direction. \$1.50.

Molefume. Sure death to moles. See page 111.

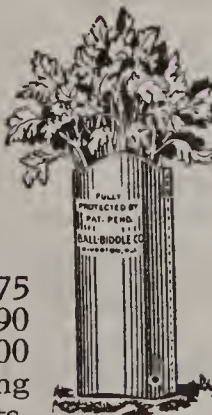


Celery-bleaching Tubes

The Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

	Doz.	100	500
12 in. high..	\$0 40	\$2 75	\$12 75
13 in. high..	45	3 00	13 90
14 in. high..	50	3 50	15 00

Handlers for use in placing tubes: Brass, \$2.25; Tin, 75 cts.



Tree Guard

Tree Guards

Made of 3/4-inch channel steel, secured with three flat steel bands. Finished in baked-on green enamel. Guard forms ample protection for any tree and prevents bark being marred by animals or children.

Diam.	Height	Each
9 in.....	72 in.....	\$2 75
12 in.....	72 in.....	3 75

Shrub Protector

A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 25 cts. each, \$2.25 per doz.

Trowels



The Stumpwall is the best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece. Only the very best material used. 6-in., \$1.25.



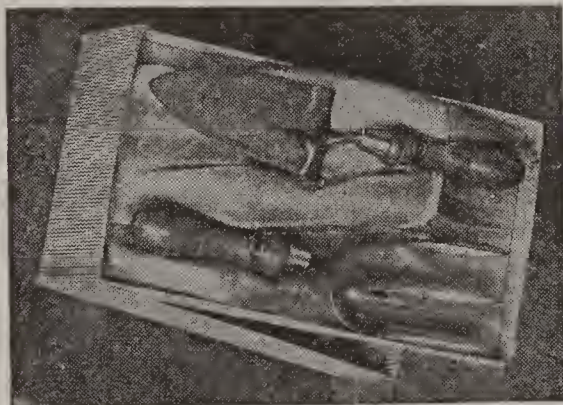
Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. Made in three sizes: 5-in., 75 cts.; 6-in., 85 cts.; 7-in., \$1; 8-in., \$1.25.

Warren-Church. Made of one-piece heavy sheet steel with hollow bent shank for strength. Blade 6 inches. 35 cts.

Slim Jim. Excellent for setting bulbs or transplanting. 5-in., 20 cts.; 7-in., 25 cts.

Ladies' Aluminum. Made of solid cast aluminum; handle finished in green; 10 1/2 inches long, 3 inches wide. 75 cts.

Sawco Stainless Steel Trowel and Fork



Made of imported English stainless steel. Will last a lifetime. \$3.50 complete. Individual tools \$2 each.

Fibreware Flower Vases

Deep mahogany color. Waterproof.

	Depth	Diam.	Each	Doz.
No. 44....	8 3/4 in.	3 1/2 in.	\$1 60	\$16 00
No. 1....	10 in.	6 in.	2 10	21 00
No. 33....	12 in.	4 3/4 in.	2 25	22 50
No. 22....	15 in.	4 1/2 in.	3 30	33 00
No. 11....	18 in.	6 in.	4 00	44 00

Green Iron Flower Vases

	Height	Top Diam.	Each	Doz.
No. 1....	10 in.	4 3/4 in.	\$0 65	\$6 50
No. 2....	12 in.	6 1/2 in.	75	7 50
No. 3....	13 1/2 in.	6 1/2 in.	85	8 50
No. 4....	15 in.	6 1/2 in.	90	9 00
No. 5....	17 in.	6 1/2 in.	1 00	10 00

Barclay Tree Tubs

Made of seasoned, selected, Virginia white cedar, bound with electric welded wire hoops (galvanized), three hoops to each, except the two smallest tubs which have two.

	Inside Top diam.	Inside Depth	Each
No. 3.....	8 in.....	8 in.....	\$0 75
No. 4.....	9 in.....	9 in.....	80
No. 5.....	10 in.....	10 in.....	95
No. 6.....	11 in.....	10 in.....	1 20
No. 7.....	12 in.....	11 in.....	1 40
No. 8.....	13 in.....	12 in.....	1 80
No. 9.....	14 in.....	13 in.....	2 05
No. 10.....	15 in.....	14 in.....	2 25
No. 11.....	16 in.....	15 in.....	2 55
No. 12.....	17 in.....	16 in.....	2 95

New York Cedar Plant Tubs

Made of the choicest seasoned, selected, Virginia white cedar. Painted green. Iron legs and handles jet-black.

	Diam.	Height	Each
No. 1.....	12 in.....	10 1/2 in.....	\$2 75
No. 2.....	13 in.....	13 in.....	3 50
No. 3.....	14 1/2 in.....	15 in.....	4 35
No. 3 1/2.....	16 1/2 in.....	15 1/4 in.....	5 65
No. 4.....	19 1/2 in.....	17 in.....	6 45
No. 5.....	22 1/2 in.....	18 1/2 in.....	7 85

Twines, Raffia, and Wire

S. & W. Co.'s Smilax Thread. Very strong green thread. Spool 35 cts., 8 spools \$2.

Silkline. Three sizes: F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Bouquet Twine. White. 2 3/4-oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Sea Island Cotton. Green. Ball 25 cts., box of 8 balls \$1.50.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** 1/2-lb. ball 25 cts., 3 balls 60 cts., 12 balls \$2. **Dyed Green.** 1/2-lb. ball 35 cts., 3 balls \$1, 12 balls \$3.50.

Sisal Twine. 5-lb. ball \$1.75.

Binder Twine. 5-lb. ball \$1.

Tinfoil. Plain, lb. 50 cts.; colored Green or Violet, lb. 75 cts.

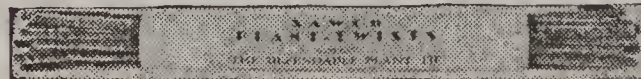
Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. 1/2 lb. 30 cts., lb. 45 cts., 5 lbs. \$2.

Colored. All standard shades. 1/2 lb. 50 cts., lb. 90 cts.

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$3 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. 22 gauge, \$3.50; 24 gauge (thinner), \$3.50.



Plant-Twists. Dyed green to harmonize with color of foliage. The dependable plant-tie; no cutting, no tying, non-injurious to plants. A simple twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

Weeders

Eureka. Three round solid steel prongs. Short handle, 60 cts.; 2-ft. handle, 75 cts.

Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 60 cts., \$6 per doz.

Cleveland Lawn. A pleasure to use. Fine mechanical Weeder for the lawn. \$1.75.

Sure-Grip. Has two sharp, round iron prongs. Foot-pedal grabs weeds and a pull on long handle ejects them. \$2.

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value with exception of 30 and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR APHIS, THRIPS, MEALY BUGS, RED SPIDERS, SUCKING AND CHEWING INSECTS

Agripax. A pyrethrum soap spray. Qt. \$1, gal. \$3.

Arsenate of Lead, Powder. For chewing insects. ½lb. 25 cts., lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$7.65, 100 lbs. \$20.

Black Arrow Insect Dust. Non-poisonous contact dust for chewing and sucking insects. Lb. 50 cts., 5 lbs. \$2.25.

Black-Leaf 40. Nicotine sulphate for sucking insects. Oz. 35 cts., 5 ozs. \$1, lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.60.

Borerkil. A preparation in jelly form for killing borers in stems. Large tube 60 cts.

Calcium Arsenate. For chewing insects. Lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$7.25, 100 lbs. \$18.

Chin-Chex. The effective chinch-bug control on lawns. Safe to use, will not burn. Controls larvæ as well as insects. Apply at the rate of 3 lbs. per 100 square feet. 5 lbs. \$1.50, 25 lbs. \$6.25, 100 lbs. \$20.

Dutox. For leaf-eating insects. Lb. 40 cts., 6 lbs. \$2, 50 lbs. \$14, 100 lbs. \$27.50.

Ever Green. Non-poisonous. Deadly to sucking and chewing insects. Oz. 35 cts., 6-oz. can \$1, 16 ozs. \$2.

Fish-Oil Soap. For washing off lemon trees and oleanders infested with a soft-shelled or in fact almost any kind of insect. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Garden Flit. For sucking and chewing insects. Non-poisonous powder. 50 cts.

Hellebore, Powdered. Kills currant worms. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Hortex. Rotenone contact and stomachic insecticidal dust. Non-poisonous. Used for the control of fungous diseases, chewing and sucking insects. Contains 1 per cent Rotenone. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Imp Soap Spray. Very effective against sucking insects. Gal. \$3, 5 gals. \$12.

Ko-Suro. A colloidal sulphur Rotenone Spray. Kills both sucking and chewing insects. Lb. \$3, 12 lbs. \$34.20, 25 lbs. \$66.25.

Kilmdead Plant Spray.

Excellent for outdoor plants such as roses, chrysanthemums, and evergreens. Also tender plants under glass. ½pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Led-Ko. A colloidal Arsenate of Lead for leaf-eating insects. Very effective against Japanese beetle grub when applied in the early spring or late fall. Lb. \$2, 12 lbs. \$22.80, 25 lbs. \$43.75, 100 lbs. \$165.

Lemon-Oil Insecticide. For mealy bug, thrip, red spider. Qt. \$1, gal. \$3.

Lethane 440. For mealy bug. Pt. \$2, qt. \$3, gal. \$8.50.

Loro. Contact insecticide for chewing and sucking insects. Pt. \$2, gal. \$9.75.

Magnesium Arsenate. For the Mexican bean beetle. Apply as a wet spray. 2-lb. bag 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

Napthalene Flakes. For thrip on gladiolus bulbs. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.25, 100 lbs. \$15.

Paris Green. For chewing insects. ¼lb. 20 cts., ½lb. 40 cts., lb. 65 cts., 5 lbs. \$3, 14 lbs. \$7.

Pomo-Green, with Nicotine. For sucking insects. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50.

Without Nicotine. For chewing insects. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Pyrethrum Powder. A dust for most garden insects, also invaluable for pets in the home. Lb. 75 cts., 5 lbs. \$3.

Red Arrow Garden Spray. Non-poisonous. A contact spray fatal to both chewing and sucking insects. Oz. 35 cts., 4 ozs. \$1, pt. \$2.70, qt. \$4.80, gal. \$14.

Rotene Insect Spray.

A non-poisonous, rotenone - pyrethrum spray with penetrant. Harmless to all fruits, vegetables, and flowers, as well as humans and animals. Very effective against all chewing and sucking insects. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$10.

Selocide. For red spider. Gal. \$3.50.

Slug-Shot. The standard remedy for currant worms, rose slugs, cabbage worms. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$3, 125 lbs. \$12.50.

Sofyne Liquid Soap. Recommended to be used with Black-Leaf 40, and Ever Green. 5 ozs. 20 cts., qt. 50 cts., gal. \$1.50, 5 gals. \$6.50, 10 gals. \$10.

Sulpho Tobacco Soap. For sucking insects. 3-oz. pkg. 20 cts., 8-oz. 40 cts., lb. 65 cts.

Thrip Juice (Hammond's). Very effective against aphis, red spider, mealy bug, etc. Qt. \$1.25, gal. \$4.80.

Thripco. A fumigant insecticide for the control of gladiolus thrips. Kills both thrips and eggs. Thripco releases a gas very deadly to this pest. Use as a dust at the rate of one pound to 1000 corms. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$15.

Tobacco Dust (Kilmdead). Best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. 6-oz. can 35 cts., lb. 70 cts., 5-lb. can \$3.30, 10-lb. can \$6.25, 25 lbs. \$13.

Balsam Wool. For wrapping around bark before applying Tanglefoot. 16-ft. rolls, 3 in. wide, 3 cts. per ft. Less than roll, 5 cts. per ft.

Volck. A spray for mealy bugs, white flies, red spiders, and similar insects. Qt. 90 cts., gal. \$2.35, 5 gals. \$7.50, 14 gals. \$16.50.

Wilson's O. K. Plant Spray. For sucking insects. Gal. \$3, 5 gals. \$12, 25-gal. bbl. \$50, 50-gal. bbl. \$90.

X-L-ALL Liquid Insecticide. Destroys mealy bug, scale, thrip, red spider. Qt. \$3.50, gal. \$9.50.

FOR BLACK-SPOT, MILDEW, FUNGUS, RUST, AND BROWN-PATCH

Bordeaux Mixture, Dry Powder. The recognized fungicide for the control of most fungous diseases. ½lb. 25 cts., lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$7.25, 100 lbs. \$18.

Copper Solution, Ammoniated. A fungicide similar to Bordeaux. For black-spot on roses. ½pt. 50 cts., qt. \$1.50, gal. \$4.60.

Copper Sulphate (Bluestone). Lb. 25 cts., 5 lbs. 85 cts., 10 lbs. \$1.50, 25 lbs. \$3.50, 100 lbs. \$12.

Fungtrogen. For mildew and black-spot. ½pt. 75 cts., pt. \$1.25, qt. \$2, gal. \$6.

Fungine. For mildew, rust, wilt. Qt. \$1, gal. \$3.

Grape and Rose Dust. For mold, mildew. 5 lbs. \$1.25, 25 lbs. \$6.25, 100 lbs. \$22.

Ko-Sul. A colloidal sulphur. For mildew and red spider. Lb. \$2, 12 lbs. \$22.80, 25 lbs. \$43.75, 100 lbs. \$165.

Nugreen. For controlling brown-patch in lawns. 3 ozs. 35 cts., lb. \$1.45, 5 lbs. \$6.30, 25 lbs. \$29, 100-lb. drum \$115.

Pomogreen Without Nicotine. For black-spot, mildew, and rust. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Semesan. For brown-patch. 2 ozs. 35c., lb. \$2.25, 5 lbs. \$9.90, 25 lbs. \$45.50, 100 lbs. \$180.

Sulforon. A wettable sulphur for black-spot and mildew. 4-lb. bag 65 cts.

Sulphur. 100% Pure Sublimed. Used for checking mildew. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.60, 100 lbs. \$12.

Tri-ogen. A triple-acting spray controlling black-spot, mildew, blight, sucking and chewing insects on roses.

Small Kit (For 25 roses).....\$1 50
Medium Kit (For 75 roses).....4 00
Large Kit (For 150 roses).....6 00
Estate Kit (For 500 roses).....20 00

Kits are sufficient for season

For Cutworms, Earthworms, Grubs, and Other Ground Pests

Arsenate of Lead. For grubs. ½lb. 25 cts., lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$7.65, 100 lbs. \$20.

Para-Dichlorobenzene. Highly recommended for destroying the peach borers attacking trees four years and older. One ounce is sufficient for each tree. Lb. 60 cts., 5 lbs. \$2.50, 10 lbs. \$4.

Senoled. A compound of lead arsenate and colloidal phosphate for grub-proofing lawns and gardens. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Kutworm Killer. For cutworms. Simply dust around plants. 1½ lbs. 35 cts., 3 lbs. 65 cts., 15 lbs. \$3, 50 lbs. \$8.

Vermol. For earthworms in lawns, turf courts, and putting-greens. Non-poisonous powder. Harmless to animals and pets. Will not injure the grass, in fact has definite value as a grass food. Apply ½lb. per sq. yd. and flood turf immediately. Best results obtained on warm, damp days. 5 lbs. 75 cts., 25 lbs. \$2.25, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$52.50, ton \$90.

Dormant Sprays for Control of Scale Insects

Fish-Oil Soap. For mild forms of scale. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Lime-Sulphur, Concentrated. For San José scale. Qt. 50 cts., 1-gal. can \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Lime-Sulphur, Dry. Dormant spray for fruit and shade trees. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5, 100 lbs. \$17.50.

Scalecide. Used for the destruction of the San José scale. Qt. 65 cts., gal. \$1.55, 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30-gal. bbl. \$21, 50-gal. bbl. \$29.

Scalex. For scale, leaf-roller, pear psylla when plants are dormant; for white fly, young scale, and aphis in summer. Do not use as a summer spray on stone fruits. Qt. 50 cts., gal. \$1.25, 5 gals. \$5, 10 gals. \$9, 30 gals. \$13.75, 50 gals. \$20.

Sunoco Oil Spray. For scale. Gal. \$1.50, 5 gals. \$6.25.

Volck. A spray for scale insects. Qt. 90 cts., gal. \$2.35, 5 gals. \$7.50, 14 gals. \$16.50.

INSECTICIDES AND SUNDRIES

NOTE: On orders for Insecticides and Fungicides, over \$2 in value (with exception of 30 and 50-gal. drums and items not listed in our Catalogue) we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR ANTS, MOLES, RATS, MICE, AND OTHER RODENTS



MOLEFUME

Declare chemical warfare on moles, rats, gophers, woodchucks, hornets, and wasps. Non-poisonous, non-injurious to vegetation, harmless to humans and pets.

Molefume liberates a smoke causing instantaneous death by suffocation in the runways. Simply ignite black end of cartridge and set horizontally in runway, covering lightly with sod or soil. One cartridge to every 15 to 25 feet, depending on infestation. To prevent the return of rodents in places which have been cleared, you can also use Molefume in the holes located in hedges and the margins of cultivated fields.

Box (6 cartridges) 90 cts., 5 boxes \$4.25, 10 boxes \$8. (Individual cartridges 20 cts. each.)

ANT BAIT (Magikil Jelly). Press tube and allow from $\frac{1}{8}$ to $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill.

1-oz. tube....\$0 35	8-oz. tube....\$1 75
3-oz. tube.... 85	5-lb. can..... 9 50

Safety tubes for inside use, 3 for 25 cts.

Ant Powder, Dolco. Very effective for ridding lawns and shrubbery of ants. 3-oz. can 30 cts., lb. \$1.

Ant-Trap, "Tat." Destroys all species of ants. Metal container with non-fluid bait. 25 cts. each, \$2.75 per doz.

Carbon Bisulphide. Poisonous and explosive. For ants in walks and lawns, pour a spoonful into nest with Funnel and Skewer. 1-lb. can 75 cts., 5 lbs. \$3.

Cyanogas A Dust. Gas kills rats, moles, and woodchucks instantly. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. Duster for applying, \$1.50. Foot-pump, \$7. (Not mailable.)

Cyanogas Ant-Killer. Insert spout of can and pour in a small amount of Ant-Killer. Then cover hole. 4-oz. can 30 cts., \$3.25 per doz. (Not mailable.)

Mo Lo. Poisonous—wear gloves. Pkg. of 12 tablets 35 cts., doz. pkgs. \$3.50, lb. (1250 tablets) \$18.

Mouse Cereal. Little seeds impregnated with a deadly poison. A quick, tidy way to get rid of mice. 2 $\frac{1}{2}$ ozs. 35 cts.

Napthalene Flakes. After setting bulbs, sprinkle lightly with flakes and cover with soil. Protects bulbs against ravages of moles and field-mice. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.25, 100 lbs. \$15.

Rat Scat. Harmless. Mix with any food rats are eating. 2 $\frac{1}{2}$ ozs. 75 cts., 5-oz. can \$1.25.

GREENHOUSE FUMIGANTS AND INSECTICIDES

Cyanogas (G) Fumigant. Generates deadly hydrocyanic acid gas effective in controlling aphids, thrips, white fly. Scatter over greenhouse walks and close the house for the night. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. (Not mailable.)

Fumetobac. A tobacco powder for burning in greenhouses. Guaranteed 2 per cent nicotine. Very economical and specially valuable where greenhouses do not require heavy fumigation. 25 lbs. \$4.25, 100 lbs. \$14.

Nico-Fume Liquid. A free nicotine. Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10, 40-lb. drum \$40.

Nico-Fume Paper. A paper treated with nicotine, giving off strong fumes when ignited. Box of 24 sheets \$1.25, box of 144 sheets \$4.50.

Nico-Fume Tobacco Powder. For fumigating the greenhouse and conservatory. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.35, 10 lbs. \$5.85.

ROTENE INSECT SPRAY. A concentrated, non-poisonous, rotenone-pyrethrum spray with penetrant. Harmless to all fruits, vegetables, and flowers, as well as humans and animals. Very effective against all chewing and sucking insects. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$10.

Tobacco Stems. For fumigating and placing under benches in greenhouses. Bale of about 100 lbs. \$4.50, 5 bales \$20, 20 bales \$50.

SEED- AND SOIL-DISINFECTANTS

Ansul Formaldehyde Dust. A dust-treatment for the sterilization of the soil and disinfection of the seed against damping-off. Formaldehyde gas escapes from the dust when it is mixed with soil and permeates the soil completely. Lb. 75 cts., 5 lbs. \$2, 25 lbs. \$5.50, 50 lbs. \$9.

Formaldehyde. (Liquid.) For seed-borne diseases. Use at the rate of 1 pint to 15 gallons of water. 1-lb. bottle 60 cts.

Re-Ko. Colloidal Red Copper Oxide. Powerful fungicide for treating seeds, seed-bed soil, and transplants. Lb. \$2.50, 12 lbs. \$28.80, 25 lbs. \$55.

Semesan. A mercurial fungicide for the control of seed-borne diseases. 2-oz. tin 35 cts., lb. \$2.25, 5 lbs. \$9.90, 25 lbs. \$45.50, 100 lbs. \$180.

Terogen. A winter soil-treatment for roses weakened by black-spot. Lb. 75 cts., 5 lbs. \$2.75, 25 lbs. \$11.

WEED-KILLERS

NOXWEED. Contains five pounds sodium arsenite to the gallon. Satisfaction guaranteed. May be applied by means of watering can, sprayer or sprinkling barrel. Harmless to stone, woodwork, or shoes. One thorough application will kill all weeds. One gallon diluted 1 part to 40 parts of water will cover 100 to 150 square yards of space. Qt. 65 cts., gal. \$1.75, 5 gals. \$6, 10 gals. \$11.50, 30 gals. \$25, 55 gals. \$40.

Atlacide (Non-Poisonous, Powder). Kills poison ivy, Canada thistle, etc. Apply as a dust only. 5 lbs. \$1.50, 15 lbs. \$3.50, 50 lbs. \$7, 100 lbs. \$13.50.

Climax Lawn Sand. A combination of finely ground chemicals. Destroys weeds in lawns. 3 $\frac{1}{2}$ -lb. can 85 cts., 7-lb. can \$1.65, 14-lb. can \$2.75, 28-lb. pkg. \$4.50, 56-lb. pkg. \$8.

Purfek Chickweed Eliminator. When properly applied, kills only the chickweed and does not injure the grass. Spring or late fall will give best results. Will not affect the germination of any type of seeds. Dilute at the rate of 1 part to 8 parts water. One gallon will cover approximately 1800 sq. ft. of turf. Where there are light infestations one gallon will cover 3000 square feet. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

SUNDRIES

Crow Repellent. Seed-preserver for corn. Prevents crows and other birds taking the seed. Does not retard germination. Small can, enough for 1 bus., 60 cts.; large can, enough for 2 bus., \$1.

Cuprinol. Wood and fabric preservative. Specify which when ordering. Pt. 75 cts., qt. \$1.15, gal. \$3.60, 5 gals. \$15.

Dog-Skat. Protect your evergreens. The odor slowly emanating from the open tube will keep dogs away. Tube 30 cts., 3 for 80 cts.

Dogzoff. A repellent for dogs, cats, and rabbits. One spray will last three weeks. Not offensive to humans. Bottle 60 cts.

Dust Respirator. Light and comfortable. Quickly adjustable. \$3.

Graftex. A new grafting compound. Absolutely waterproof. Can withstand extreme summer heat or severe winter cold. $\frac{1}{2}$ -lb. can 50 cts., 5 lbs. \$4.25.

Grafting Wax. Even consistency and elasticity. Used for grafting, budding, top-working, etc., of all fruit and ornamental trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Grafting-Wax Melter. $\frac{1}{2}$ -gal. size \$6.25, gal. size \$7.25.

Grafting Tape (Johnson's). For grafting, budding, and tree surgery. 36 yds. to roll. $\frac{1}{4}$ in. wide, 50 cts. per roll; $\frac{1}{2}$ in. wide, 65 cts. per roll.

Kayso. A casein lime spreader. 2-lb. pkg. 60 cts., 10 lbs. \$2.50, 100 lbs. \$20.

Styptic. To prevent bleeding of vines after pruning. Bottle \$2.

Tree Cavity Fill. A dry powder—merely add water to bring it up to a plastic-like consistency. Better than cement and mortar. It has better adhesion and flexibility. Lb. 75 cts., 5 lbs. \$2.50, 10 lbs. \$4.50, 25 lbs. \$10, 100 lbs. \$37.50, 150 lbs. \$45.

Tree Wound Paint. Prevents decay. A penetrating, antiseptic Paint not affected by heat, cold, or moisture. Does not peel, crack or get brittle. Stops tree bleeding. For bad cavities use it in conjunction with our Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$13, 30 gals. \$37.50, 50 gals. \$42.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

SAWCO

Emerald Grass Fertilizer

For lawns and golf putting-greens. A well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition.

Several applications of Emerald Grass Fertilizer ensure a beautiful lawn and a most wonderful putting-green. When building a lawn, from 1 ton to 1½ tons per acre (minimum, 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (25 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Rose Food

A plant-food of specially compounded ingredients beneficial and desirable for the proper growth of roses and the eradication and control of root-pests.

For new plantings, use one trowelful of Sawco Rose Food thoroughly mixed with the soil. For established plantings, a liberal dusting in the early spring and late fall is recommended. Work into the soil with rake or hoe. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

Chrysanthemum Food

(An old English formula.) All organic; not immediately soluble. A plant-food for Chrysanthemums, Pelargoniums, Cinerarias, and many other greenhouse plants. Most valuable for the

above plants when mixed with the soil before potting. Mix 5 pounds to a wheelbarrow load of soil. Follow with occasional light top-dressings and water. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

SAWCO

SAWCONITE

An economical fertilizer for large areas of turf. It is designed to feed the desirable grasses and it contains all the food elements required by them. In it there is no make-weight material; its ingredients are partly organic and partly mineral.

Use at the rate of from 1000 to 2000 pounds per acre when preparing new land. Take care that it is mixed with the soil no deeper than 3 inches. To improve existing turf use one-half this quantity, broadcast evenly through a Fertilizer Sower. 100 lbs. \$4.50, 500 lbs. \$19, 1000 lbs. \$25, ton \$45.

SAWCO

General Garden Fertilizer

For vegetables, flowers, and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the acre or 3 ounces to the square

yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Dahlia Food

A fertilizer specially prepared for Dahlias. Rich in potash and also contains sufficient nitrogen and phosphoric acid properly blended to give only best results. Mix a handful with the soil

thoroughly before setting tubers and later top-dress with liberal applications worked into the soil, especially as soon as buds are beginning to form. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCONURE

An organic fertilizer containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For gardens, lawns, and golf putting-greens. Use

25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For gardens, vegetables, and flowers, use 100 pounds per 1000 square feet. Incorporate well with the soil. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$35, ton \$60.

SAWCO

Acidulous Fertilizer

A plant-food and soil-acidifier for rhododendrons, azaleas, mountain laurel, blueberries, cranberries, and many other acid-loving plants. Acidulous Fertilizer has been compounded

very carefully and the ingredients contained therein are absolutely essential in producing healthy and vigorous plants. Apply at the rate of ¼ pound per square yard, and rake well into the soil. For best results, apply at least three times during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Nikofood.

Contains every plant-food element required for growth in a slowly available form, especially potash. Recommended for all garden use, especially as a top-dressing for lawns. 50 lbs. per 1000 square feet may be applied several times a year to produce a healthy deep green turf. Insects dislike tobacco, the chief ingredient, and the use of Nikofood is advised as a partial protection against chinch bug. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22, ton \$65.



A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state—economically, conveniently, and safely. No danger of root-burning or overfeeding. Cartridges last an entire season in the soil.

Carton (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges.

Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35, ton \$110.

Orders for one ton or more of assorted fertilizers at the ton rate, provided 500 pounds of a brand are ordered. For quantities in excess of one ton, write for our special prices

GENERAL LIST OF FERTILIZERS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

Adco. A culture of bacteria associated with the breaking down of organic materials. Add it to garden rubbish, leaves and grass clippings to hasten decay and quickly produce manure. 7½-lb. pkg. \$1, 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. Not a fertilizer. Follow immediately with an application of Sawco Acidulous Fertilizer. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50.

Ashes, Canada Hardwood. These furnish potash. May be broadcast between rows of vegetables, 10 pounds per 100 feet. 100-lb. bag \$4.50, bbl. (about 200 lbs.) \$7, ton \$50.

Blood, Dried. Adds nitrogen and a small amount of phosphoric acid. Much used for greenhouse plants. Acts quickly. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Bone, Vineyard. These large particles of bone, averaging from ¼ to ½ inch, make an ideal fertilizer for grape-vines and fruit trees. Apply liberally, and thoroughly incorporate with the soil as deeply as possible. 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Bonemeal. Mixed fine and coarse. (For general use.) This grade is recommended for the garden and for lawns. It is quick to give results, yet the benefits are lasting. The standard food for roses; much used on hay and pasture fields. Use 1500 pounds per acre or 5 ounces to the square yard, dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$4.50, 500 lbs. \$21, 1000 lbs. \$32.50, ton \$60.

Cattle Manure, Shredded. A soil-builder and ideal mulch that is especially recommended for crops in hot, sandy soils. Also ideal for mulching perennial beds. 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$35, ton \$65.

Charcoal. Sweetens and lightens sour and heavy soils; helps to dry out wet land. Frequently used for lawns on soils in this condition. 50 lbs. \$3, 100 lbs. \$4.50, 500 lbs. \$20, 1000 lbs. \$35, ton \$65.

Clay's Fertilizer. Imported. Has a splendid reputation for flowers, vegetables, and fruit. 7 lbs. \$2, 14 lbs. \$3, 28 lbs. \$4.50, 56 lbs. \$8, 112 lbs. \$13.50.

Cottonseed Meal. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¾ to 1½ tons per acre. 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$40, ton \$75.

Floranid (Urea). Contains 46 per cent of available nitrogen. Lb. 35 cts., 5 lbs. \$1.10, 10 lbs. \$1.80, 25 lbs. \$3.25, 100 lbs. \$9, 500 lbs. \$40.

Gypsum or Land Plaster. Widely used as a dusting for the manure pile to fix and hold nitrogen. When applied to land it furnishes lime without giving the soil an alkaline reaction. One to three tons per acre. 100 lbs. \$3.50, 500 lbs. \$15, 1000 lbs. \$27.50, ton \$40.

Horn Shavings. Rich in ammonia. Ideal for greenhouse benches and potting. 50-lb. bag \$6.

Lawn Sand, Climax. A concentrated fertilizer used for killing certain weeds in lawns, especially chickweed and mouse-ear. 3½-lb. can 85 cts., 7-lb. can \$1.65, 14-lb. can \$2.75, 28-lb. pkg. \$4.50, 56-lb. keg \$8.

Legume Culture. Nitrogen-fixing bacteria for all leguminous plants. Small garden unit (in powder form), for packets of peas, beans and lupins, 35 cts. Large seed units (in jelly form), bus. 35 cts., 2 bus. 55 cts., 5 bus. \$1.10. Clover units (in jelly form), ½ bus. 35 cts., bus. 55 cts., 2½ bus. \$1.10. When ordering, state crop for which Legume Culture is desired.

Lime, Agricultural Hydrated. Corrects acid conditions of the soil, and at the same time is a plant-food. Binds loose soils and, curiously enough, opens heavy land. Quick acting. As this Lime is especially prepared for horticultural purposes, it costs more than ordinary Lime. As a winter dressing broadcast 1 ton to the acre or 6 ounces per square yard. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$27.50.

Limestone, Pulverized. 80-lb. bag \$2.50, 5 bags \$9.50, 20 bags \$22.50.

Muriate of Potash. Excellent for potatoes, corn, grains, etc. Use from 350 to 750 pounds per acre. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$7.

Nitrate of Soda. A plant stimulant. Adds nitrogen in a form which is immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Use 1½ ounces per square yard, or 500 pounds to the acre, raked or harrowed in. As a liquid fertilizer, one ounce may be dissolved in one gallon of water. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, ton \$65.

Nitrophoska. Is a complete fertilizer containing 15 per cent Nitrogen, 30 per cent Phosphoric Acid, and 15 per cent Potash, all available. Lb. 35 cts., 5 lbs. \$1.10, 10 lbs. \$1.80, 25 lbs. \$3.25, 100 lbs. \$6, 500 lbs. \$28.75.

Pulverized Poultry Manure. An excellent fertilizer, rich in plant-food, for all garden crops. Dig in 3 to 16 ounces per square yard, or ½ to 2½ tons to the acre. 100 lbs. \$5, 500 lbs. \$22.50, ton \$60.

Salt, Agricultural. Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 100 lbs. \$2.75, 500 lbs. \$12, ton \$32.50.

Scotch Soot. A valuable plant-food. On grass, or dusted around vegetables or on the plants themselves, it discourages caterpillars, slugs, grubs, wireworms, cutworms and earthworms. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 112-lb. bag \$7, 5 bags \$30, ton \$85.

Sheep Manure. A pure, natural, nutritious, pulverized manure that is immediate and lasting in effect. In preparing a flower or vegetable bed, use it liberally and incorporate well with the soil. It is also very valuable as a liquid manure and can be used at all times with safety. Contains no weed seeds. 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$4.50, 500 lbs. \$21, 1000 lbs. \$32.50, ton \$60.

Stim-U-Plant. Fertilizer in tablets. Place in the soil around plants, in flower pots, or dissolve in water for a liquid fertilizer. 30 tablets 30 cts., 100 tablets 75 cts., 500 tablets \$2.50, 1000 tablets \$3.50.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$40, ton \$75.

Sulphate of Potash. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$7.

Super-Phosphate. Adds phosphoric acid and lime. 5 lbs. 50 cts., 100 lbs. \$3, 500 lbs. \$13.50, ton \$27.50.

Tan Bark, Spent. Used for bridle-paths, garden paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$23.50, ton \$65.

Tankage (Blood and Bone). 9 per cent nitrogen. Yields nitrogen, lime, and phosphoric acid. 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Tobacco Stems. Feeds, protects, retains moisture, deters insects. Use from 2½ to 3½ tons per acre; 1 to 1½ pounds to the square yard. Bale (about 100 lbs.) \$4.50, 5 bales \$20, 20 bales \$50.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$5, 500 lbs. \$22.50, ton \$65.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11, ton \$30. Bulk in cars, minimum 20 tons. Write for price.

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Moss, Sheet, Natural Green. Bag (about 10 lbs.) \$5.

Moss, Dry Sphagnum. Large bale \$4.

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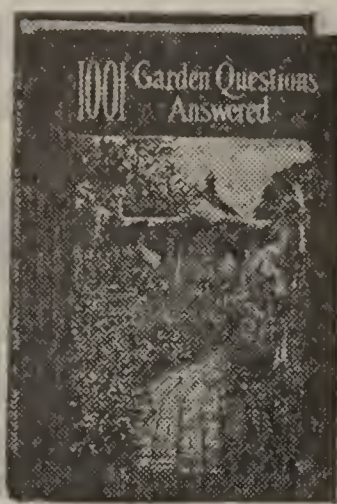
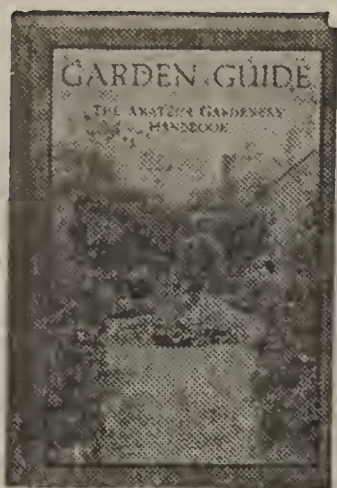
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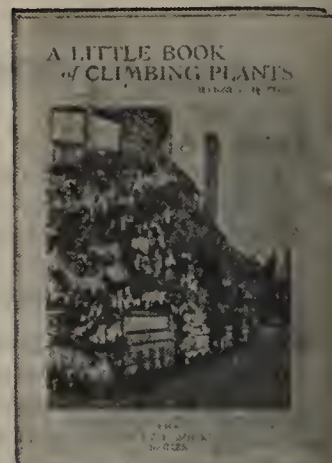
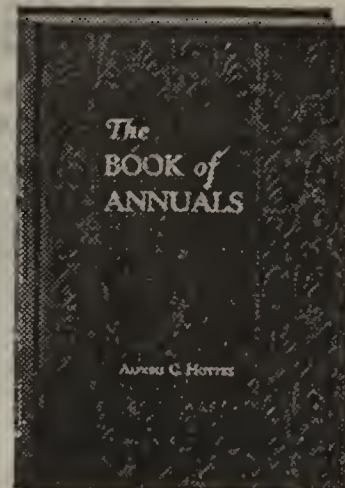
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